WALLACES' FARMER
and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

JUNE 2, 1956

Help 'em learn to like it

GREAT future for dairy products is in the tummies of our growing youngsters. Big job for dairymen is to help these youngsters learn to like milk products —to develop good eating habits.

Helping get that job done is Iowa's Golden Girl, sponsored by the dairy farmers of Iowa. She's Miss Delores Chapman of Palo Alto county, Iowa. For more about dairy promotion, see pages 11 and 18.

In this issue

How to get the most out of your layers.....22, 23

You can iron with your automatic dryer 34

Savings for hog raisers in enzyme discovery.....42

Firestone CHAMPIONS

GET YOU THROUGH IN RECORD TIME

FIRESTONE CHAMPIONS are built with many extra advantages that give you more traction and longer tire life in the toughest going. They reduce your field time and save fuel because they make full use of all the horsepower your combine or tractor can deliver.

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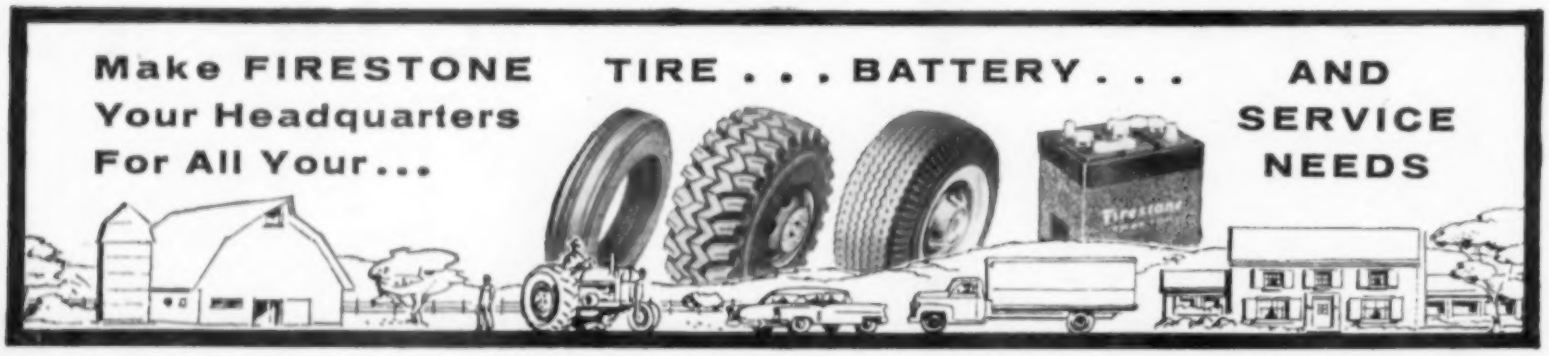
Whenever you need tires or tire service, be sure to stop at your Firestone Dealer or Store. There you will find experienced men whose business is tires . . . tire experts who will help you get extra service and better performance out of your tires.



Enjoy the Voice of Firestone on radio or television every Monday evening over ABC

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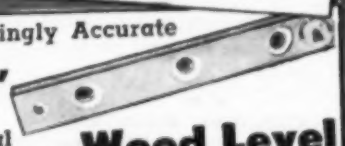

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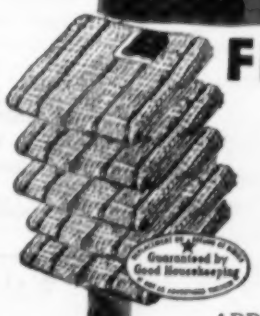

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Hogs and Cattle

BY WALTER J. LEEDS

Hog prices better? Cost of gains still important

HOG prices are looking better. Everywhere I visit around the state I feel an air of renewed optimism. But mind you, nobody's getting loose with their money. Most hog raisers I talk to are more cost-conscious than ever.

Typical of the comments I run into is this one: "No matter what hogs sell for next fall, we're keeping a close watch on the efficiency of our operation. We learned the hard way that we've got to be more efficient both in feeding and in management."

I've seen plenty of evidence that hog raisers are backing up this feeling with action. There's been more interest this spring than ever before in the new pig-saving ideas. Pre-starters, early weaning, grower rations, weight-cycle feeding—they've all been adopted on a big scale this year. And from all I've seen, Iowa hog raisers have done an outstanding job this year in getting healthy, fast-growing pigs early.

So far, so good. But even the best care for baby pigs up to 50 pounds won't pay off unless it's followed by smart feeding all the way to market.

How you finally make out with this crop of pigs depends on how much it costs you to get that last 150 pounds of gain. That's why I say now is the time—from 50 or 60 pounds to market—to really go for cheap gains. And the best way to go for low-cost gains is to feed a really *good* supplement.

As we discussed last month, a top-quality supplement will produce pork for a lot less total feed cost than an inefficient supplement . . . as a lot of my friends learned to their dismay last year. They were lured into feeding so-called "cheap" rations to save money. Their records show that cheap feed makes expensive pork.

When you stop to think about it, a top-notch supplement makes real good hog sense. Shoats don't eat a whole lot of supplement — compared to all the corn they consume. But every bit of supplement they do eat has to be literally crammed with nutrition.

With this in mind, hog raisers I've talked to are being mighty careful about the kind of supplement they're feeding this year. They're looking for a supplement with a *blend* of proteins. They figure this is good insurance that their pigs will get *all* the amino acid "building blocks" they need.

Another thing hog raisers are looking at in their hog supplement is the vitamin and mineral level. With plenty of vitamins and minerals in the supplement, they won't have to buy extra mineral-vitamin mixes.

I've suggested one particular hog supplement to my friends that fits these requirements to a "T". It's called Shoat-40. It's made by Nutrena Mills.

The protein in Shoat-40 comes from several different sources —for a scientific balance of amino acids. The vitamin and mineral levels in Shoat-40 exceed the minimum requirements of the National Research Council by a good safety margin. And, in addition, Shoat-40 is fortified with antibiotics at guaranteed effective growth-boosting levels.

If you're getting ready to switch your hogs to a supplement and corn, I suggest you check into Shoat-40. Talk to your Nutrena dealer this week. Find out how little total feed you really need to market your hogs—when you feed Shoat-40 with corn. (Advertisement)

She liked **Ike's veto. Mrs. Robert E. Bellman of Henderson county, Illinois, thinks the price supports set by the president were a good substitute for the bill he killed. For opinion of farm men subscribers, turn to page 14.**

INSIDE STUFF

CORN PLANTING time keeps farmers busy, but an astonishing number were willing to stop and give their opinion of President Eisenhower's veto of the farm bill.

ONE N. F. O. member complained: "Look at all the work we did this winter. We organized and petitioned and wrote letters. And then this veto."

THIS FARMER — and his fellows — did better than he thinks. The corn loan rate was raised by administrative action largely because of farm protests from the Corn Belt.

I LIKED those higher May hog prices. But I hope they didn't tempt farmers to over-produce on fall pigs. Hogs are still likely to be low next winter.

BENSON will be the Republican speaker at the field days at Eldora. He'll talk June 22. Kefauver will talk for the Democrats on the same day.

ELDORA committee tried to get Vice-President Nixon, but had to take Benson instead. Query: How many Republican candidates for congress will appear on the platform with Benson?

HOW LONG have men been living in North America? We used to put the figure at 5,000 years. But the other day, somebody found an old campfire on an island off the California coast, and by it the broken bones of a dwarf elephant.

SOMEBODY had been eating roast elephant. And by Carbon 14 test, the campfire was built around 30,000 years ago. Probably by folks something like modern American Indians.

IF YOU'VE wondered about the scant number of petunia seeds you get in a package, you'll be interested in what I was told by a seed man. He says petunia seeds — pound for pound — are worth more than gold.

IF YOU vote in Iowa, don't forget that Monday, June 4, is primary day. You can't vote for your favorite in November unless you nominate him first.

I LIKED President Eisenhower's suggestion that it is unwise to limit economic aid to our military allies. More economic aid, without strings, to Asiatic neutrals would make sense.

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
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SELECTED FOR FIELD DEMONSTRATIONS at 1st Annual CORN BELT FARM FAMILY FIELD DAYS...*JUNE 21-22, Eldora, Iowa*

sponsored by WALLACE'S FARMER & IOWA HOMESTEAD and WHO RADIO and TELEVISION

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See the Universal 445 with your choice of three front-end types—the low-silhouette Utility 445.

Discover, for your own sake, that there's nothing "warmed over" about the 445. This machine is *new* from power-adjusted wheels to exhaust stack, from radiator grill to the business-end of a complete new line of 3-point hitch and mounted tools. And, talk about value! When you see what the 445 gives you in money-making advantages, how it gives you MORE of what it now takes to show real farm profits, you'll call it the biggest buy on today's machinery market.

Find out for yourself how MM built the one really NEW tractor. *Not* an engine on rails . . . *not* an old tractor with a new grill . . . *not* new sheet-metal, but with IDEAS that you can turn into farm profits in time saved, in effort saved, and in dollars saved. See the MM 445 Tractor in action at the Corn Belt Farm Family Field Days.

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SEE THE 445 IN ACTION—THE ONE NEW TRACTOR BUILT TO MAKE MONEY FOR YOU NOW!

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HIGH-COMPRESSION POWER!

All-new high-compression engines of valve-in-head design put the 445 in the 40 HP class. Choice of gasoline, diesel, LP gas or tractor fuel.

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Quick, effortless change of rear wheel tread for work in any row crop.

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Automatically shifts weight to drive wheels for extra traction when needed.

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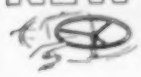

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AMPLI-TORC DRIVE!

Gives the 445 tractor 10 forward and 2 reverse speeds, boosts pull-power instantly, on-the-go, without clutching or down-shifting, without changing engine or power take-off speeds.

NEW

POWER-MATCHED IMPLEMENTS

A complete line of new implements for 3-point hitch or front-mounting. All designed for hydraulic control.

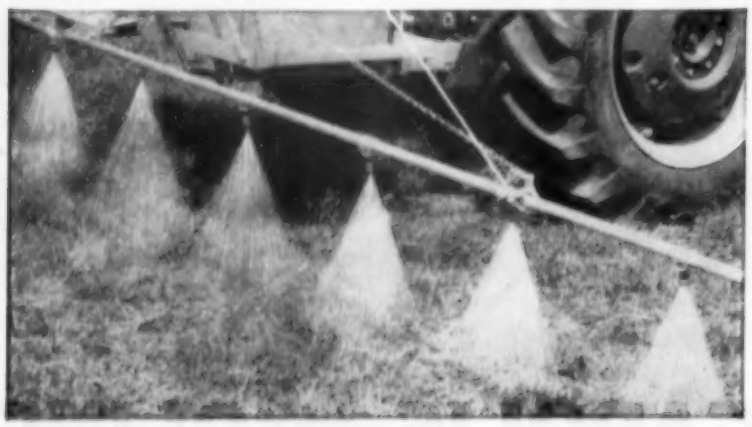
NEW

3-WAY FRONT END!

Single-wheel, dual-wheel or extendable front ends interchangeable in minutes . . . on Universal model only.

How Monsanto makes weed killing SIMPLE AS 1-2-3

1. **MIXING...FAST AND EASY!** Monsanto weed and brush killers are stable, won't settle out . . . no "sludging" to put up with. They mix easy. You get a uniform spray solution fast. No guessing, no wondering. You know that the spray you lay down, rod after rod, has even, unvarying killing power!



2. **SPRAYING...CLEAN AND EVEN!** No more spotty spraying from clogged nozzles. Special Monsanto anti-clog agents make the use of baking soda unnecessary in hard-water areas. You'll find you can cover ground faster, finish spraying sooner. Remember: for best spraying, use clean water.

3. **WEED KILLING...CERTAIN!** Special wetting agents make Monsanto weed and brush killers spread, penetrate and kill! The directions on each container are easy to understand. Read them, follow them. You'll know you've done the job right. And you can depend on the job you've done!

SEE YOUR MONSANTO DEALER . . . This sign identifies him in your town. He'll have Monsanto's powerful new weed and brush killers . . . the right formulation for your crop, your locality, the weeds and brush you want to kill. He'll be the first to bring you new chemical farm hands from Monsanto research and development.

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GROW MORE PROFITABLY
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FARM CHEMICALS

It had rained the night before this picture was taken. And Don Reinke, Franklin county, Iowa, was having some trouble mowing the wet hay. Mechanical troubles can slow your mower, too, or cause a poor job of mowing. See the articles below for a list of points to check before taking your mower to the field.

Check up on your mower

Here's a list of points to check over before you take your mower to the field

WAS your mower doing a poor job at the close of last season?

Start your check over with shafts, bearings and frame parts. If these are in poor condition, a new mower may be the best answer.

Otherwise, a few dollars for repairs and a little time can put the mower back in good shape.

The cutting mechanism of all makes of sickle bar mowers is about the same. So minor repair jobs are about the same, too.

1. Look at the knife first. Any broken or missing sections should be replaced.

Check the other sections, too. If they have been sharpened until the front edge is pointed, better replace all the sections.

If your dealer can lend you a small mower anvil block, you'll find the job a lot easier.

If the knife edges just need sharpening, you can do the job yourself. Just keep the new cutting edges parallel to the original edges. And use care not to "burn" the sections during grinding.

2. Ledger plates need to be sharp, too. This repair is often neglected longer than it should be. Again, the mower anvil block can be a big help.

3. The cutter bar must have proper register. That is, the knife sections must be centered over the guards at each end of the cutter bar stroke.

Position of the cutter bar is adjustable on some machines. On others, the adjustment is made by changing the length of the pitman.

4. Any damaged guards should be replaced.

Upper lips of the guards should not be pounded down on the knife. They are intended to help straighten and hold the material to be cut.

New guards should be lined up evenly. Any "out of line" guards can usually be hammered into place. This is to give uniform contact between the knife and ledger plates all along the cutter bar.

5. Hold-down clips keep the knife against the ledger plates. They can be hammered down enough to hold firmly. If the tips are worn too much to the clip to be pounded down properly, replace the worn clips.

6. The wearing plates provide a surface to carry the rear edge of the knife. These should be replaced if wear is excessive.

7. When you are mowing, the cutter bar should be square across the swath.

So when the mower is at rest, the outer end of the cutter bar should be one to two inches ahead of the inner end. The cutter end will move back by about this amount when in operation.

A few feet of string can help check this. Stretch the string across the face of the pitman flywheel. Then extend it to the end of the cutter bar.

If the bar lacks proper "lead," take time to adjust. Usually, an eccentric bolt or bushing in one of the framework joints near the inner end of the bar does the job. Just rotate the eccentric bolt or bushing until proper lead is restored, and fasten tightly in place.

8. Check both the inner and outer shoes on the cutter bar. If soles are worn thin, new ones can be welded on easily.

9. A quick check for loose or missing bolts and cotter pins may help save field trouble, too.

Then, with proper use of your grease gun and oil can, the mower is ready to go.

SOME GOSSIPS WE'VE known will never tell a lie—if the truth will do just as much damage.—Gowrie News.

CUT CHICK LOSSES!

1. Start 'em right! / 2. Get more eggs! / 3. Keep 'em healthy!

Start your baby chicks or poults on AUROVIM® and you are started on the road to better poultry profits. AUROVIM cuts early mortality – increases livability! Then as your birds mature, *keep* them on AUROVIM for these reasons:

Money-maker for poultrymen! AUROVIM – new from the research laboratories of Lederle, most famous producer of antibiotics – contains the wonder, broad-spectrum antibiotic AUREOMYCIN® Chlortetracycline and important vitamins. It is just what you have needed to help stop egg losses and get maximum production, top profits from your flock.

Keeps egg production up! When your birds are "off feed" and egg production drops due to chronic respiratory disease (CRD or air sac disease), nonspecific enteritis, damp changeable weather, moving or other stresses, AUROVIM in the drinking water helps stop egg losses *FAST*.

Back on feed fast! Sick birds that won't eat will drink more – so they speed effective quantities of AUREOMYCIN and vitamins throughout their systems to fight disease, build strength unbelievably fast – *to keep those eggs coming!*

Low-cost treatment! Your cost per bird for AUROVIM will delight you . . . you invest *pennies* to earn *dollars!*

Easy to use! Just mix AUROVIM in the drinking water – that's all. Get your supply today from your hatchery or feed dealer. Insist on the one and only AUROVIM.

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All plastic, the waterer is unbreakable, non-rusting and light to carry. The plastic jar is easier to fill, and being transparent, water level is always clearly visible. Results in less water on floor — streamlined shape allows chicks to raise heads straight up after drinking — water from chick's beak drips right back into plastic base. Capacity, one gallon. Offer starts June 1, 1956 and is limited.

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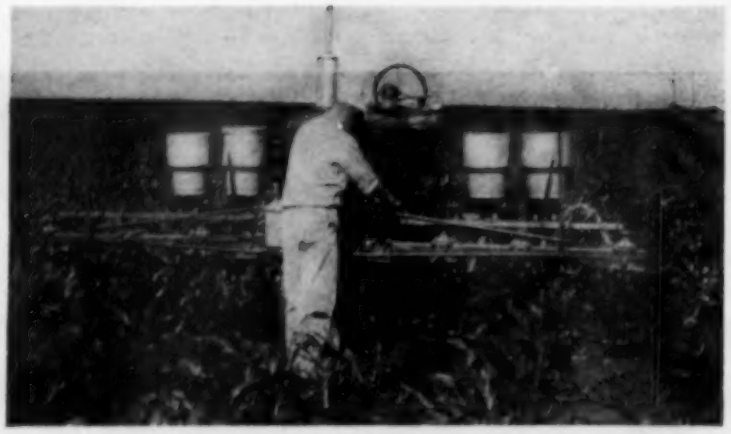


Side dress nitrogen half way between corn rows. Then it can go deeper with little root pruning. Shown is Clarence Hockemeier of Hamilton county, Iowa.

Apply nitrogen for corn

Second cultivation ideal for most side dressing. Can wait longer on dry soils

MANY farmers skipped plow down nitrogen for corn this spring.

Some prefer to apply the nitrogen as a side dressing. Others were delaying the application until they got a better idea of the spring moisture situation.

First or second cultivation is the usual time for side dressing. Most folks should stick with that. But for some, a further delay may be the wise choice.

Your own local moisture conditions are the key, say John Pesek and Lloyd Dumenil, Iowa State College fertilizer specialists.

Don't judge your own conditions by general moisture reports, they warn.

Moisture levels vary greatly thru the state. Your own fields may be better or worse off than your neighbor's fields.

A post hole auger used several places over your fields can tell you a lot. Dig four to five feet deep. And watch the moisture level all the way.

If welcome spring rains boosted soil moisture to near normal, use the full rate of nitrogen on all your corn.

If your soil has a fair supply of moisture distributed thru the top four or five feet, the fertilizer odds are still favorable. Again, you'll want to stick with the full rate.

Now, suppose your subsoil is mostly dry. That's a real danger signal. You'll probably want to delay any nitrogen application until third cultivation. Moisture prospects at that time may determine whether to cut nitrogen rates or to use the full amount.

Stand is another part of determining nitrogen rates.

In general, plant stands over 14,000 call for 80 pounds or more nitrogen per acre.

Probably only a few folks planted such heavy stands this year. But they'll want to give these stands a chance. That calls for a heavy nitrogen application.

However, if soil is really dry, rate of application can be cut.

For stands of 12,000 to 14,000 plants per acre, use 20 to 40 pounds of nitrogen on first year corn.

Corn two or more years from a legume should get 40 to 80 pounds of nitrogen.

The dry weather threat caused some folks to reduce stands. Some dropped to 10,000 plants—or even less.

In these cases, you may want to skip the nitrogen application for first year corn. And to use only 30 to 40 pounds on other fields.

Tho we started the season with little moisture, Iowa usually gets enough rain during the season to make some sort of crop.

Fertilizer helps corn make more efficient use of moisture. So there's no point in cutting out the low rates of nitrogen. The exception might be on first year corn growth on fertile soil.

So here's where cuts in nitrogen application are recommended:

1. On dry soils where rates higher than 80 pounds per acre would have been applied.
2. On stands of 10,000 plants or less.

In the first situation, you may want to hold nitrogen until the third cultivation. That gives you a chance to see how more of the early season rainfall adds up.

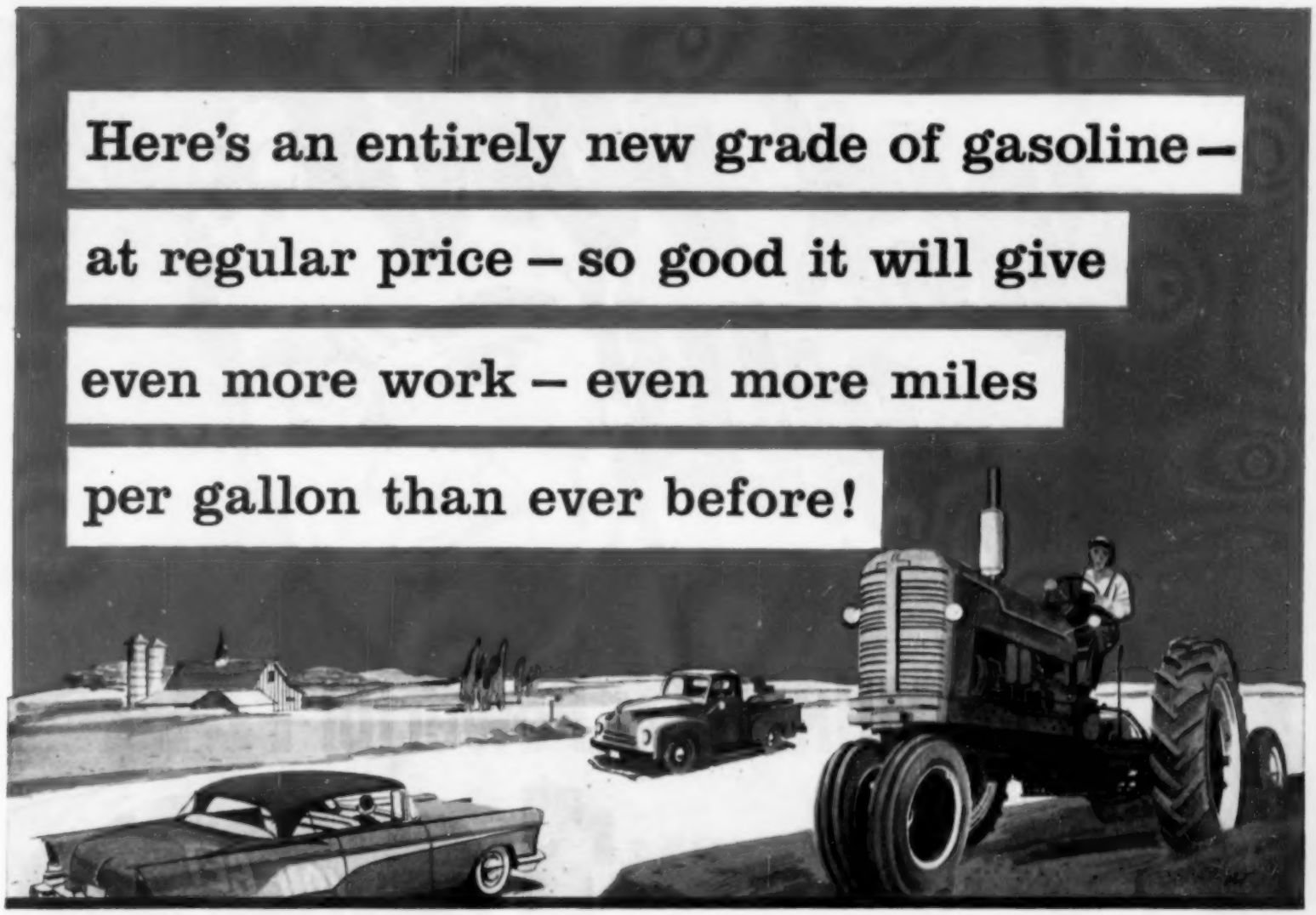
However, that carries some added risk. There may not be enough rain later to carry the nitrogen down into the root zone.

At either second or third cultivation, deep application is recommended. That gives more chance of getting the nitrogen down into moist soil.

The application can be made half way between rows with a minimum of root pruning.

The form of nitrogen — gas, liquid or solid—makes no difference in crop response, say the specialists.

So choose the one that costs you the least. But be sure to figure in a charge for application if you have to do the job yourself.



Announcing–New Grade

Mobilgas R

AT REGULAR PRICE!

Now you can get even more miles per gallon–because Mobilgas R contains **MC4** *and higher-than-ever octane!*

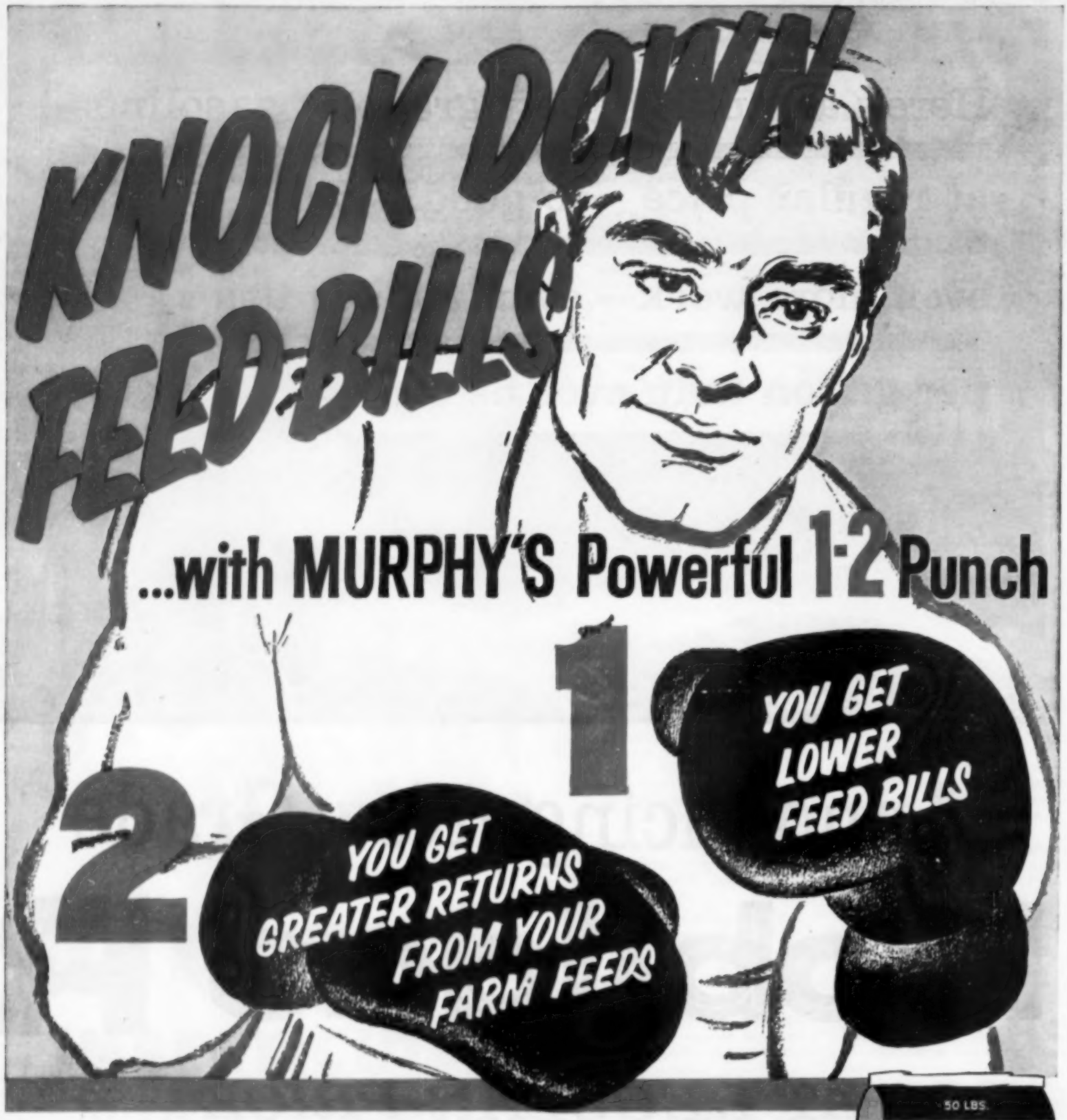
If you want really smooth, full-powered performance from all your farm machines fill up with New Mobilgas R—an entirely New Grade of gasoline at *regular* price. Its octane has been raised to that of premium gasoline of only a few years ago. It will now give you *even more work . . . even more miles per gallon!*

New Grade Mobilgas R has been *further* improved with new gas-saving MC_4—most effective combination of chemical additives ever put in gasoline to correct common engine ills. MC_4 saves you gasoline *four* different ways:

Cleans carburetor interiors—keeps them clean. Extends spark plug life. Controls harmful pre-ignition. Reduces stalling on damp, cool days.

For more work per gallon . . . fill up with new Mobilgas R!

SOCONY MOBIL OIL COMPANY, INC.



If properly balanced, the cheapest and best feed you have is the grain and roughage on your farm. Small amounts of MURPHY'S CUT-COST CONCENTRATES balance up your farm feeds and make them into complete, efficient, low cost rations. When you feed MURPHY'S, there's no need to buy any extra proteins, or minerals, or vitamins, or antibiotics. They're all there in a bag of MURPHY'S CUT-COST CONCENTRATES. And because MURPHY'S is a concentrate, it goes much further—gets more out of your grain and roughage.

Besides being a big money saver, CUT-COST is a big labor saver. Self feeding it free-choice lets the animals do the work. You can free-choice feed MURPHY'S BEEF CONCENTRATE, MURPHY'S VIG-O-RAY POULTRY CONCENTRATE and MURPHY'S HOG CONCENTRATE. Animals won't overeat on MURPHY'S. This is a MURPHY labor-saving exclusive.

So cut your feed bills down. Save your labor. Switch to free-choice feeding MURPHY'S CUT-COST. You can feed MURPHY'S CUT-COST:

To beef cattle for less than a nickel per head per day—Feed only ¾ lb.

To poultry, for less than ¼¢ per bird per day—Feed only 1 lb. a month.

To dairy cattle, for less than a dime per cow per day—Feed only 1¼ lbs.

To hogs, per 100 lbs. of gain—Feed only 25 lbs. CUT-COST for less than $1.80.

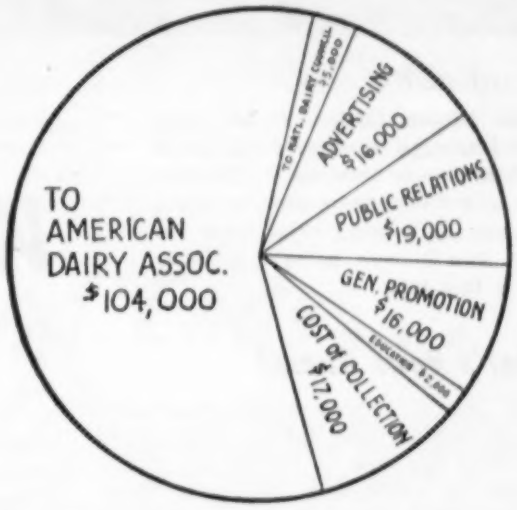
Knock your feed bills down right now—switch to MURPHY'S.

MURPHY PRODUCTS CO., BURLINGTON, WIS.

Thru check-offs, Iowa dairy farmers this year will invest about $554,000 in promotion of dairy product sales

Of that amount

- Iowa Dairy Industry Commission gets $375,000 . . . .
  . . . . To be spent like this . . . .
- Iowa Dairy Promotion Association gets $179,000 . . . .
  . . . . To be spent like this . . .



What happens *to your* dairy check-off?

by **Dave Bryant**

UNDER state law, your cream or milk buyer deducts one cent per pound of butterfat from your checks during May and June.

That money goes to the Iowa Dairy Industry Commission for promotion of dairy products.

Also for promotion purposes, many dairymen contribute one-half cent per pound of butterfat or two cents per hundred pounds of milk sold during the other 10 months. This is handled by the Iowa Dairy Promotion Association.

Graphs at the top of this page show how the two organizations have budgeted check-off funds this year.

You'll note that about 60 percent of the check-off money is paid to the American Dairy Association for nation-wide promotion. That's understandable. About 80 percent of Iowa's butter is sold outside the state.

Another $25,000 is earmarked for the National Dairy Council,, for the nutrition educational phase of promotion.

Remainder stays in Iowa.

Promotion in Iowa

Activities of the two Iowa dairy promotion organizations are coordinated to avoid overlapping. Some projects are sponsored cooperatively.

The following outline does not include all activities. But it indicates types of activities under each heading.

Advertising—Includes weekly and daily newspaper advertising, radio and TV commercials, roadside signs.

Merchandising — Providing posters and display materials for grocery stores and restaurants; promotional booths at fairs and conventions; pushing use of milk vending machines, etc.

Public relations—Encouraging cooperation of various groups in dairy promotion, providing speakers,, contacts with press, radio and TV.

Education and research—A home economist employed to demonstrate and promote use of dairy products. Educational films distributed to TV stations. Dairy recipes provided for newspapers. A $4,000 grant for dairy product research at Iowa State College.

General promotion—Cost of maintaining and operating offices in Des Moines, including telephone calls, mailings, some printing and supplies, and incidental promotion expenses.

Cost of collection—Since the Dairy Promotion Association gets its funds thru voluntary check-offs, encouragement and supervision of contributions is necessary.

Nation-wide promotion

Advertising and merchandising—This accounts for 83 percent of the 1956 ADA budget. Included are sponsorship of nation-wide TV and radio shows, advertising in women's and family magazines.

Research and education—ADA gives financial support to research at 13 colleges and universities. It also provides about $200,000 per year for the National Dairy Council's educational program.

The American Dairy Association is operating this year on a $6,000,000 budget. Of that amount, Iowa contributes about $348,000.

Here's how ADA funds are to be spent . . .

About alike

This Illinois farmer, Sloan Aten of McDonough county, doesn't see much to choose between the Republican and Democratic parties when it comes to helping raise farm income. But Benson, he says, is doing only a fair job.

Editorials...

Another Leaves Us

LIKE THE REST of us, even Master Farmers in time grow old and die.

One who left us last month was Jesse D. Misbach of Iowa county, Iowa. He was 83. Over a long life, he had farmed well, educated his children and helped his community.

He was active in AAA, in REA, in his soil conservation district, in Farm Security, in Farm Bureau. After he retired from the farm and moved to town, he served as mayor of Williamsburg.

One of the things we remember happily about Mr. Misbach and men like him is that they kept on growing. Some folks are thru growing at 30; others at 80, refuse to stop.

We made no mistake in picking Mr. Misbach as a Master Farmer in 1939. He earned the award again and again in the years that followed.

Vote Anyway

SOME FARMERS became so disheartened over the farm bill quibbling they now say they'll quit voting. They contend neither party is dependable.

But staying away from the voting booth is no way to get desired legislation. And the theory that both parties and all candidates are exactly alike usually collapses under a little scrutiny.

On next Monday, June 4, therefore, every Iowa farmer should get out and vote in the state primary. Above all, it will be important to express yourself on the choice for U. S. senator.

What's Your Guess?

HOW MUCH money would it require to establish a young farmer these days, including the cost of the land? About $62,000 on a 180-acre holding in Ohio, says the Ohio experiment station, after a study of actual farm records. It was assumed that the farm family would need about $2,400 cash each year for food and other living expenses above the value of home-produced items.

What would be your guess for a beginning farmer in the western Corn Belt?

Real Money Losers

WHEN THE Department of Agriculture loses any money in disposing of its stored surpluses, we usually hear a loud public outcry.

But very little is made of the very much larger percentage losses taken by the government in disposing of military surpluses.

During the fiscal years, 1954 and 1955, the Defense Department sold for about $170 million, surplus goods originally costing about $2.6 billion. In other words, the return realized was less than seven cents on the dollar.

And the end is not yet. The Government Surplus Weekly, which advises potential buyers of defense surplus bargains, recently put out this interesting message:

"Government surpluses—ten billion inventory—top quality . . . . Your bid sets the price . . . . bargains . . . . savings up to 94 cents on the dollar . . . . The big money is in government surplus. Bargains, profits galore in government surplus."

This situation has now come to the notice of the Senate Armed Services Preparedness Investigating Subcommittee. It is not pleased by its discoveries. Farmers won't be, either.

What's It Worth?

NOW that we finally have a farm bill, what will it mean, income-wise, during the rest of 1956?

To answer in a few words, it will help but not nearly as much as some city writers have concluded from looking at the agricultural appropriation figures.

A lot will depend on how rapidly Benson moves and on how determined he is to raise farm income. There are a good many permissive clauses in the bill. Benson may do this and that, but he isn't absolutely required to do. Furthermore, he has considerable latitude on how and where to spend.

From part of the money voted, that is, out of about $928 million, farmers won't get a dime. This sum will go to repay Commodity Credit Corporation for losses taken on past price support operations.

The largest item in the new bill, of course, is the total of $1.2 billion for the soil bank. This won't mean much, either, for Corn Belt farmers in 1956.

As finally passed, Benson is required to give corn growers a chance to "bank" some land in return for planting corn up to base acreage, that is, up approximately to last year's allotment. This "deposit" must amount to the equivalent of 15 percent of the base acreage. However, the bulk of the corn crop was planted before the farm bill became law.

Likewise, there'll be no payments in 1956 for putting other feed grain acreage into the soil bank. Congress simplified matters for this year by setting support prices at 76 percent of parity, regardless of plantings. As a result, oats this year may be sealed at an average of seven cents per bushel higher than last year. Barley is up five cents per bushel, rye up seven cents, and grain sorghums (per hunderweight) up 11 cents.

The bill's effect on corn is the most difficult to estimate. There have been so many deals on corn this year, one easily gets confused. First, Benson dropped allotment corn support levels by 18 cents per bushel. Then Congress raised it back in its first farm bill. But the President vetoed that bill. At the same time, he announced an increase of 10 cents upward from Benson's figure.

The confusion was so great at times that some farmers almost had the impression the President was giving them a higher support price than they had last year. Actually, it is lower by 8 cents per bushel in the commercial area and 11 cents outside.

On top of all these changes, the Administration broke all past rules by offering a support of $1.25 per bushel where the allotment was exceeded.

Until we know more about planted acreage, it is impossible to estimate what free corn would be worth without the $1.25 plank. Nor how much it may hold back feeding operations and thereby reduce trouble in the livestock market.

Finally, we have $900 million (including $400 million already on hand) with which Benson can support perishables, including livestock. From this total, Benson could spend about $300 million on hogs or about three times what he spent this past winter. However, if he again buys only processed meats and lard from the packer, the producer will get only part of the money.

Hog prices recently have been stronger, mostly for the reason that receipts have fallen off. And this has caused some politicians to cry that we are already well on the road back. Are we? Higher prices mean something only when you have sold under them. And a lot of farmers haven't sold any hogs since last winter's 10-cent market. They will need good prices for a long time before they will feel they are really around that proverbial corner.

—Art Thompson

Is Pork Slipping?

IS PORK losing out in public favor to beef and other meats?

Geoffrey Shepherd, Iowa State College economist, thinks maybe it is. He draws this conclusion from a review of consumer expenditures for meat during the past 45 years.

Before World War I, people spent about three percent of their disposable income for pork and about the same percentage for beef. During the 20's, consumers actually spent more for pork than for beef. Then after 1936, the proportions again were on an even keel. But since 1947, the amount paid for pork has been only about two-thirds as large proportionally as for beef.

Why? For one thing, says Shepherd, machines have cut down the amount of muscular work, even for ditch diggers. This has slackened interest in energy-rich fatty meats.

Second, more of the nation's population now live in town. For some reason town people traditionally have been more favorable to beef than farmers.

Third, the abundance of other protein foods, especially of poultry and eggs since 1938, has left less room in the consumer's stomach for pork.

What can be done about this? Most of all, farmers need to shift to a leaner hog. So far as the current hog price situation is concerned, the only sensible course is to bring production more nearly into line with such demand as does exist.

"No difference," **says Mrs. Cecil Hollenberg of Warren county, Ill., as between Republican and Democrats on the subject of preventing another war. Here Mrs. Hollenberg hands a drink to her daughter, Cheryl Lynn.**

Odds and Ends . . .

. . . RUBBER MATS for cows! No joking, they're being tried at the University of Massachusetts. And the cows are said to like them. Cows slip less in getting around their stanchions and waste less bedding.

. . . FARMERS who need extra grain storage space on their farms may obtain government loan assistance on up to 80 percent of the costs. Make application at your county ASC office. The loans will draw four percent interest, repayable in four years.

. . . THE FIRST nuclear-power generator for an REA cooperative will be built at Elk River, Minnesota.

. . . ALL CORN in the important Ukraine farm belt province of southern Russia will be grown from hybrid seed within two years. This is the prediction of Mikhail Spivak, Ukrainian minister of agriculture.

. . . "THE RIGHT to suffer is one of the joys of a free economy, just as the right to prosper is. But Michigan will come out of it, just as the farmers are doing now."—Remark by Howard Pyle, White House assistant, at Detroit, Mich., Monday, May 21, while commenting on the unemployment situation at the auto factories.

. . . CITY FOOD shoppers should all be supplied with a new leaflet "The Price of Beef" issued by the U. S. Department of Agriculture. By reading it, they would learn why beef currently is cheap at the meat counter. It's because cattlemen are taking a licking on prices in providing a record beef supply. And so far, cattlemen have gotten mighty little thanks for it.

. . . FARMERS of Wisconsin, Minnesota, the Dakotas and Montana need an average of about $5,000 per farm for repairs, new equipment and new buildings. This was one of the findings in a recent farm income survey conducted by the Farmers Union Grain Terminal Association of St. Paul, Minn. If farmers were making fair incomes, the report concluded, they would provide a tremendous market for manufactured goods, estimated to be at least $5 billion in the five states alone.

Song of the Lazy Farmer

HURRAY for June, the grand month when life takes on meaning once again. The days are warmed by summer sun, Mirandy's got the spring work done, she's making garden busily and doesn't keep an eye on me, so I can sneak off if I wish down by the creek to sit and fish. Behind the barn, the damp, warm soil yields lots of worms without much toil; I've got a brand-new bamboo pole to prop up by my fav'rite hole; so I can just lay back and muse, or maybe take a little snooze with one eye open just a mite in case a big one takes a bite.

No greater joy has man than this, no time of year brings greater bliss than these first lazy summer days when there is still a filmy haze to make the sunshine warm, but not so strong that it gets August-hot. The land's still moist and fields are green, the whole world seems so fresh and clean; my aches and pains all disappear, my mind's completely free and clear; I think if happiness were just a little greater, I would bust. The only two things wrong with June are that the month will end too soon, and fish bite so darn frequently, they interrupt my nap, by gee.

Ike's Veto

43% approved
45% objected

Of farmer subscribers in area covered by map

Illinois gives biggest vote for Ike

AFTER President Eisenhower vetoed the farm bill in April, Wallaces' Farmer and Iowa Homestead got phone calls from Washington, New York and Chicago asking:

"What do farmers out your way think of the veto?"

To that question, the editors could only say:

"We don't know. But we'll find out."

So subscribers in the area shown in the map above were asked a series of questions. Their answers show what farm men in this territory thought of President Eisenhower's veto. The survey was made about the middle of May.

Look at the map to see the counties covered. Wallaces' Farmer and Iowa Homestead has 203,000 subscribers in Iowa and 99,000 in counties close to Iowa in the surrounding states.

The usual Wallace-Homestead Poll reports on Iowa only. This survey covers the whole circulation territory.

The first question was designed to find out how farmers heard about the veto and also to learn which farmers paid any attention to the farm bill or to presidential action on it.

"Did you hear on radio, see on TV, read or discuss President Eisenhower's veto message on the farm bill?"

Farmers in Iowa and in the counties around Iowa answered like this:

	Iowa	Outside Iowa	Total
1. Heard President on radio	31%	33%	32%
2. Saw him on TV	47	48	46
3. Read about veto message	67	65	66
4. Discussed it with friends	56	49	54

Since many got the news in several ways, totals add up to more than 100.

Readers should note carefully the kind of farmers this survey covers. Included are:

1. Farmer readers of Wallaces' Farmer and Iowa Homestead in the area shown in the map above. In Iowa, subscriber farms make up about 90 percent of the state's total. For other states, the percentage is much lower.
2. Of these men readers, we report only the views of those who paid some attention to the farm bill and its veto. So the survey shows the opinions of farm men who probably have more decided views about farm legislation than the average.

Only men readers have their views reported. Women are not included, so the report of farm sentiment is to this extent incomplete.

The second question asked was this:

"If you heard, viewed, read or discussed the veto message, do you think the price supports set by the President in that message would be an effective substitute for the supports in the bill he vetoed?"

Farm men answered as follows:

	Iowa	Outside Iowa	Total
1. Good substitute	18%	21%	19%
2. Fair substitute	30	27	29
3. Poor substitute	39	38	39
4. Undecided	13	14	13

Following is the political break-down on approving or disapproving the veto message. Eisenhower voters in 1952 are classed as Republicans; Stevenson voters as Democrats.

	Rep.	Dem.
1. Approve	57%	12%
2. Disapprove	32	77
3. Undecided	11	11

Did the President's appearance on TV sell many farmers on his veto? Of the TV viewers in Iowa, 38 percent approved, and 50 percent objected. In Illinois, 56 percent of the TV viewers approved the veto and 35 percent objected. In the other states, 42 percent approved and 49 percent objected.

Later articles will show how farm men in this territory are inclined to vote on Eisenhower vs. Stevenson and Eisenhower vs. Kefauver.

How farm men voted on Ike's veto

Farmers in the area shown in the map were asked "On the whole, after thinking over the veto message, do you approve or disapprove the president's action in turning down this particular bill?"

Those farmers who showed interest in the debate on farm legislation voted as follows:

	Iowa	Illinois	Other States	Total
1. Approve	42%	53%	42%	43%
2. Disapprove	45	36	49	45
3. Undecided	13	11	9	12

Subscribers in Minnesota were most emphatically against the veto. Subscribers in Illinois gave the veto the most support.

build the body — get the milk... with low-cost Purina BULKY-LAS and CORN 'n OATS

HOW 228 DAIRYMEN DOUBLED THEIR MONEY!

Last fall, 228 dairymen from all over the U.S. tested Bulky-Las on 1224 cows by feeding ½ gallon over their regular rations night and morning for 30 days. They averaged $6.32 EXTRA income per cow . . . more than double the cost of the Bulky-Las fed!

To Iowa farmers and dairymen, Purina offers a research-backed plan to get milk from average cows at low cost per pound.

That plan is "build the body . . get the milk" by feeding low-cost Purina Bulky-Las with your local corn and oats.

Cows like corn and oats with Bulky-Las. Tasty Bulky-Las adds balancing minerals, bulk and "cow appeal." Cows clean up their mangers and ask for more.

More important still, cow rations based on Bulky-Las build cow condition, help keep cows producing steadily, breeding regularly, calving easily.

For low-cost milk production and well-kept cows, try Bulky-Las mixed 1 - 3 with corn and oats for your milking herd. Add Purina Cow Chow Concentrate to rations for high producers.

NEW—

FAMOUS PURINA FLY BAIT IN SUGAR BASE FORM

Purina's easy-to-handle dry fly killer, FLY BAIT, sensational when introduced last year, is now available in two forms . . . regular and sugar base. The sugar-base product is well-suited for dairy barns . . . is easily washed off floors with dead flies, can be sprinkled on damp surfaces to make a wet bait and . . .

. . . it's DEADLY TO FLIES!

PURINA DEHORNING PASTE, also new, is homogenized for easy spreading and handling. Use on baby calves at 4 to 6 days of age according to instructions.

Other sanitation products of interest to dairymen are Purina Dairy Spray and safe, effective, multi-purpose Purina Disinfectant.

FORTY-EIGHT YEARS IN THE DAIRY BUSINESS HAVE SHOWN THIS IOWAN THE WAY. BULKY-LAS IS HIS CHOICE!

It has been 48 years since Arch McLeish of Oelwein started dairying on his own. For the last 23 of those years, he's had registered Jerseys of his own breeding. He feeds Bulky-Las and corn-oats with Purina Cow Chow Concentrate added. Each cow gets a weighed amount, fed 1-3 according to production, and his 10 Jerseys give him 4 cans a day of 5.6% milk.

Mr. and Mrs. Arch McLeish

This is the kind of udder condition Arch McLeish likes to see. These two cows together fill a can a day.

Mr. McLeish also feeds Bulky-Las with oats to his dry cows and heifers. He's a strong believer in dry-cow conditioning and has been for many years. He's positive good dry-cow feeding saves him many a calf.

About Bulky-Las, Mr. McLeish says, "Bulky-Las adds what grain alone can't supply. It's a top conditioner and really helps keep cows on feed. We wouldn't be without it."

Don't miss PURINA'S GRAND OLE OPRY on TV this Month

Your whole family can enjoy Purina's Grand Ole Opry TV Show, with famous stars of the Grand Ole Opry at the top of the country music world. Guest stars add spice and variety. Educational commercials, with live animals and Purina Research men, tell you why Purina Chows produce results. See Purina's hour-long TV performance on the following stations and times:

TOWN	CHANNEL
JUNE 2	
Mason City, Iowa	3
JUNE 3	
Davenport, Iowa	6
Hannibal, Mo.	7
Quincy, Ill.	7
St. Joseph, Mo.	2
JUNE 9	
Sioux City, Iowa	14
JUNE 17	
LaCrosse, Wis.	8
JUNE 23	
Ames, Iowa	5
Cedar Rapids, Iowa	9
Des Moines, Iowa	5
JUNE 24	
Ottumwa, Iowa	8
Sioux Falls, S. D.	11
JUNE 30	
Mason City, Iowa	3

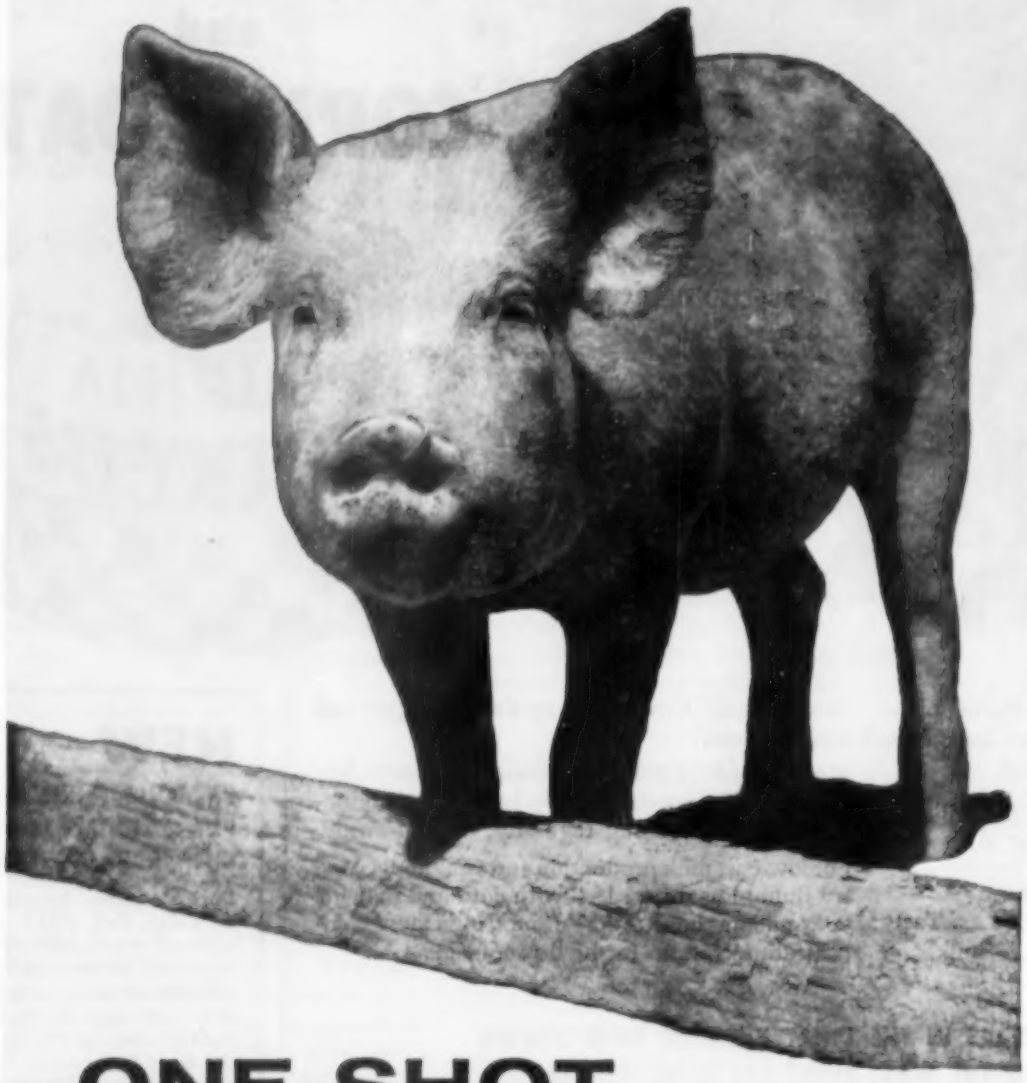
Purina Folks Are Home Folks

In the state of Iowa, there are 24 Purina Sales Representatives, 259 Purina Dealers, and 2 Purina Mills with 297 employees. (Still another Iowa mill is now under construction.) Their job is to supply you with fresh Chows, efficient service and the answers to your livestock and poultry-feeding problems.

PURINA CHOWS

SERVING ANIMAL AGRICULTURE

Protects Your Profits...
Cuts Erysipelas Losses!



ONE-SHOT
Treatment and Control...
INJECTION
BICILLIN® FORTIFIED

(Dibenzylethylenediamine Dipenicillin G and Procaine Penicillin G in Aqueous Suspension)

Swine erysipelas is a serious, acute, and often *stubborn* infection. When one animal becomes ill, other animals are threatened. Treatment is required that will be *immediate, effective,* and *long-lasting.*

BICILLIN FORTIFIED provides the immediate high blood levels that are needed to check the acute phases of infection. In addition it produces the lower, *longer-lasting* blood levels that are necessary to promote recovery, guard against reinfection, and halt the spread of the disease.

BICILLIN FORTIFIED has prolonged action that is particularly important in guarding against the after-effects of swine erysipelas, a disease that often reduces the market value of animals and your profits.

Only BICILLIN FORTIFIED gives you this *double* penicillin action—treatment *plus* protection—in a single injection!! You save time, work, and money!

EFFECTIVE AGAINST TURKEY ERYSIPELAS, TOO!

SUPPLIED: BICILLIN FORTIFIED 300—Vials of 10 cc. and vials of 50 cc. Each cc. contains 150,000 units Bicillin and 150,000 units procaine penicillin.
BICILLIN FORTIFIED 600—Boxes of 10 Tubex® sterile-needle units, each cartridge containing 300,000 units Bicillin and 300,000 units procaine penicillin.

Wyeth
Philadelphia 1, Pa.

AVAILABLE FROM YOUR DRUGGIST OR OTHER ANIMAL HEALTH PRODUCTS SUPPLIER

Service Bureau

No Benefit From Social Security

To the Editor: My husband died April 18, 1956. He operated his farm in 1955 and paid social security tax on $4,200 net income for last year. He carried over 2,000 bushels of corn and some livestock. But he hadn't sold anything this year. Can I get social security benefits?—Mrs. J. D., Clinton county, Iowa.

You would not be eligible for any benefit from social security unless your husband had a net income of $400 or a gross income of $800 in 1956 before he died, or unless he had been employed at sometime since 1938 on a job that was covered by social security.

Upon his death, the 2,000 bushels of corn became part of his estate. And the Internal Revenue Bureau says no social security tax is due even tho the estate may pay income tax.

You should check with your nearest district social security office to see if you are eligible for benefits. If it's determined that you are not eligible for survivors benefits, you could operate the farm with hired labor long enough to qualify for the benefits on your own self-employment.

Got Check That Wasn't Good

To the Editor: Last March I was given a check for $60 which I have been unable to cash because there wasn't enough money in his account. Are there any legal steps I can take to force payment of this check? Can this be collected thru the Service Bureau?—R. P., Davis county, Iowa.

The legal step that can be taken is an action at law to recover the $60 owed. This should be handled by an attorney. The Service Bureau does not provide legal services.

The foregoing is intended to inform and not to advise. Facts may change the application of the general principles expressed. It's recommended that you cantact a lawyer of your own choice.

Legal questions addressed to the Service Bureau are answered by the Public Information Committee of the Iowa State Bar Association as a public service.

"$3,000 . . . Just how much would that be in chicken eggs?"

Salt and mineral box sits in one end of a feed bunk on the Victor Lauer farm, Henry county, Iowa. It's partitioned to keep contents separate and is roofed as a protection against elements. Open side for livestock is to the south.

How To Kill Bees In House Wall

To the Editor: We have bees in the wall of our house. Last summer, several of us were stung by them. How can we get rid of the bees?—E. L., Sac county, Iowa.

A circular "How To Get Rid Of Bees" published by Iowa State College, gives the following recommendations:

It is possible to kill the bees by fumigation if their cavity is not too large and is well confined. A bee smoker can be obtained and after preparing an excellent fire in it, place four ounces of flowers of sulfur on top of the fire. The fumes of the burning sulfur should be blown in the one entrance of the bees.

A very satisfactory fumigating material is calcium cyanide. Three or four tablespoons of this material should be placed in the entrance. This material liberates hydrocyanic acid gas which is highly poisonous to all life, including humans. Care must be used in a closed room. This fumigation should not be used unless the house can be vacated for at least two hours. If plenty of ventilation is given, then there should be no danger.

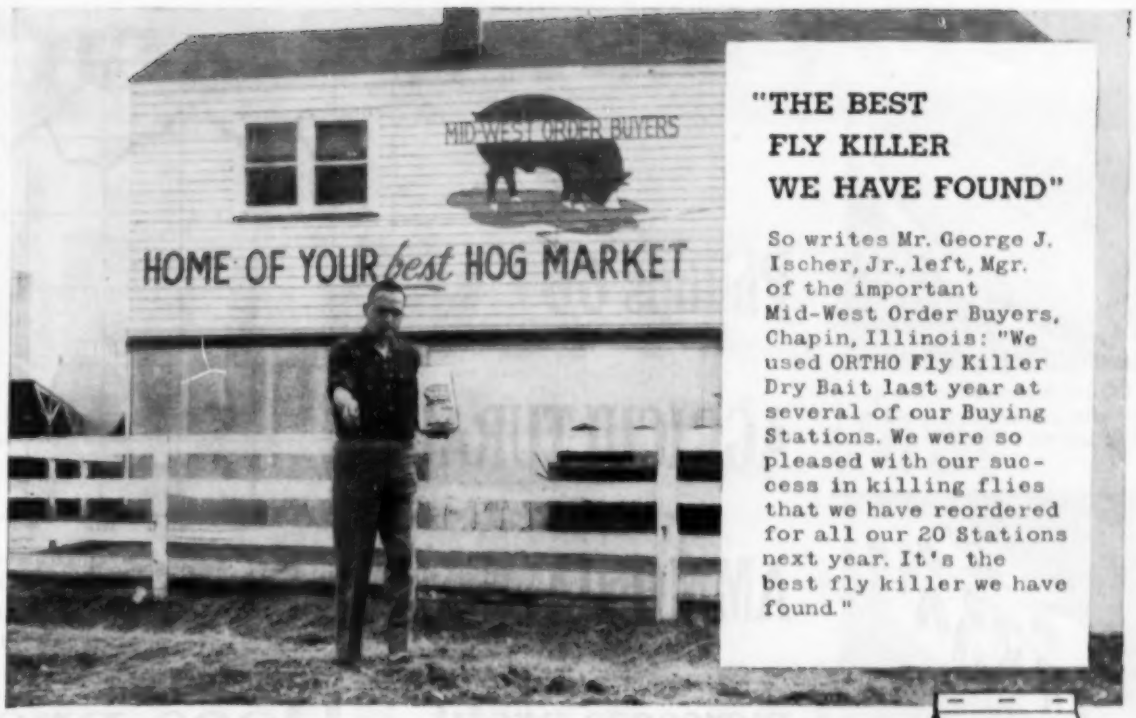
Wants Loan To Buy Farm

To the Editor: I am a veteran of World War II. I work for the railroad, and I am single. Can I get a loan from the Farmers Home Administration to buy a farm from the rest of the heirs of my father's estate?—H. G. E., Knox county, Ill.

You probably would not be eligible for a Farmers Home Administration loan to buy the farm. FHA borrowers are expected to live on and operate the farm they buy with funds furnished by FHA.

You may be eligible for a loan from the Veterans Administration. Or you may be able to borrow the money from the federal farm loan association.

If you have enough equity in the farm or can make a substantial down payment, perhaps you could get the loan from a local bank.



"THE BEST FLY KILLER WE HAVE FOUND"

So writes Mr. George J. Ischer, Jr., left, Mgr. of the important Mid-West Order Buyers, Chapin, Illinois: "We used ORTHO Fly Killer Dry Bait last year at several of our Buying Stations. We were so pleased with our success in killing flies that we have reordered for all our 20 Stations next year. It's the best fly killer we have found."

ORTHO Fly Killer Dry Bait

Controls both DDT resistant and non-resistant houseflies around pens, sheds, stables, coops. Always loose, ready to scatter from the container.

No mixing. No measuring to do. Just scatter as you walk. Flies go for its special "attractant"—feed and die! Economical, too!

ORTHO livestock pest controls include such quality products as ORTHO Fly Spray, ORTHO Malathion 50 Spray, and ORTHO Kleen Stock Spray.

ECONOMY sizes available — ORTHO Fly Killer Dry Bait is packed in 5-lb. bags and 25-lb. fibre drums. Also in 1-lb. handy size shaker can.

Where to buy ORTHO Livestock Pest Controls:

Audubon ..... Roberts Feed & Seed
Ames ..... Oslund Drug
308 Main St.
Akron ..... Farm Belt Feed & Supply Co.
Alvord ..... Alvord Produce
Ashton ..... Ashton Farm Store
Bethany ..... Langfitt Elevator
Bellevue ..... Goetz and Sons
Burlington ..... Dehner Seed & Supply
608 Jefferson St.
Breda ..... Farm Service
Cherokee ..... Cherokee Grain & Feed Co.
Carroll ..... Kloser Seed Store
Centerville ..... Agricultural Service Co.
Chelsea ..... Froning & Werner
Charles City ..... Meusel Hardware
Clearfield ..... Bailey Seed Co.
Colfax ..... Allsup Hardware
Dunlap ..... P. E. Hach
Donnellson ..... Donnellson Hardware Co.
Des Moines ..... Henry Field Seed & Nursery
815 Locust
Davenport ..... Scott County Seed Company
318 W. 2nd St.
Des Moines ..... O'Donnell Hardware
1201 Army Post Road
Emery ..... B & M Farm Store
Farmington ..... Fotsch Farm Store
Greenfield ..... Bochart & Hanks
Hillsboro ..... Hooglin & Sons
Inwood ..... Inwood Egg Market
Jefferson ..... Shriver-Van Horn Co.
Knoxville ..... Hawkeye Mill
Knoxville ..... Marion County Produce
Leon ..... Langfitt Elevator
Lester ..... E. A. Feucht Feed & Seed Co.
Little Rock ..... Kruse Brothers Elev. Co.
Liscomb ..... Dillon & Barnes Hdwe. & Appl.
Marcus ..... Sands Seed Store
Marshalltown ..... Best Hardware & Appliances
25 West Main St.
Nevada ..... Reed Holm Hardware
Olin ..... Olin Hardware
Onawa ..... Langren Grain Co.
Osage ..... Osage Feed & Seed
Pella ..... Bakker & Rus
Pilot Grove ..... J. J. Nichting Impl. Co.
Percival ..... Parkison's Store
Reasnor ..... Jerold S. Aikin
Remsen ..... Doors Produce
Sioux City ..... Calvert Seed Store
211 Pearl St.
Springville ..... Springville Co-op. Elevator
Stratford ..... Anderson Seed Store
Sac City ..... Williams Milling Co.
Traer ..... Gas Feed Store
Waterloo ..... Cedar Valley Co-op. Milk Assn.
Vinton ..... McVey Feed & Seed
Spencer ..... Otto A. Bjornstad Co., Inc.
Coggon ..... Linn County Farmers Mutual Cry.
Griswold ..... Meredith Hardware
Kanawha ..... Christ Drug
Red Oak ..... Farmer Mercantile
Decorah ..... S. E. Brickner & Son
Humeston ..... Farm Service Co.
Winterset ..... Madison Co. Farm Service
Wellman ..... Eimen Drug
Dunkerton ..... Moger Drug Co.
Adel ..... Gamble Store
Afton ..... Nissen Brothers
Albia ..... Anderson Farm Service
Bedford ..... Sever's Stacy Hardware
Des Moines ..... Albrights
217 Walnut St.
Lacona ..... Dittmer Elevator

T.M.'S REG. U.S. PAT. OFF.: ORTHO, 1020.

ORTHO
SCIENTIFIC PEST CONTROL

ON ALL CHEMICALS, READ DIRECTIONS AND CAUTIONS BEFORE USE.

California Spray Chemical Corp., Executive Offices: Richmond, Calif. • Washington, D. C.

District Office: P. O. Box 129, Maryland Heights, Mo.

BRANCH OFFICES AND WAREHOUSES:

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1024 N. 17th St., Omaha, Nebraska
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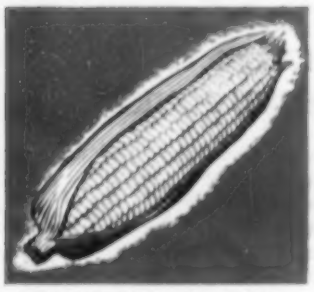
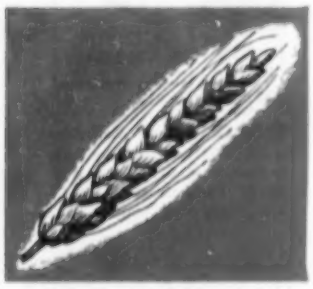
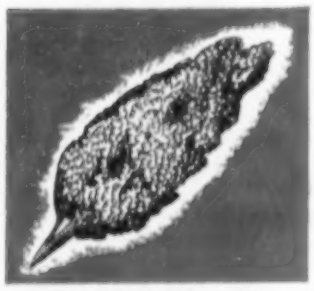


CORN: In Nebraska, 120 lbs. of nitrogen boosted yield to 134 bushels per acre.*

OATS: In S. Dakota, oat yield increased 36.5 bushels per acre with 40 lbs. of nitrogen.



WHEAT: In Kansas, 8.4 bu. an acre increase reported, using 25 lbs. of nitrogen.



SORGHUM: In Texas, 60 lbs. of nitrogen boosted sorghum yield 2,122 lbs. per acre.

*Yields were made with good cultural practices, using other fertilizers in addition to nitrogen.

Phillips 66 AGRICULTURAL AMMONIA increases profit per acre on cash crops!

Here's a fact that is being proved time and time again: *Adequate nitrogen is extremely important in increasing profit per acre.*

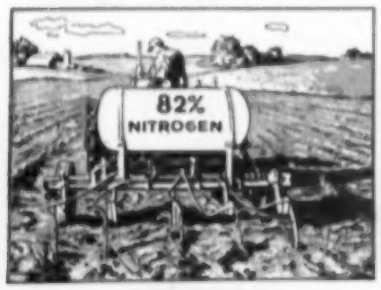
And . . . Phillips 66 Agricultural Ammonia contains 82% nitrogen, giving you more nitrogen per dollar than any other type of nitrogen fertilizer.

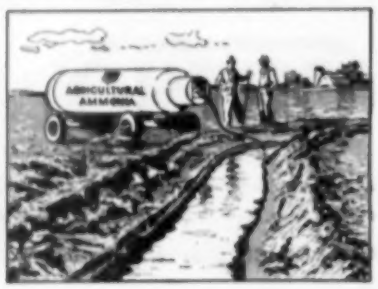
Plan now for your nitrogen needs and to get more profits by lowering your unit production costs. Then see your local dealer or custom applicator about high nitrogen Phillips 66 Agricultural Ammonia.

PHILLIPS CHEMICAL COMPANY

A subsidiary of
Phillips Petroleum Company
Bartlesville, Oklahoma

APPLY PHILLIPS 66 AGRICULTURAL AMMONIA BY INJECTION OR BY METERING INTO IRRIGATION WATER . . .





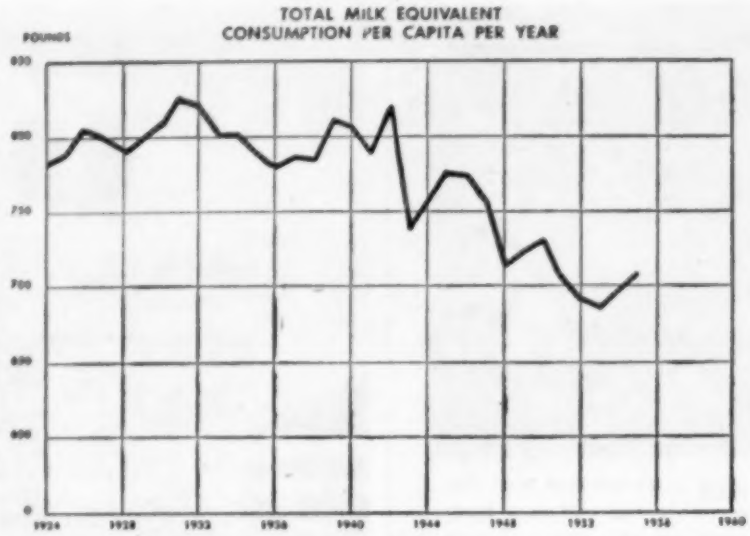


Chart shows average amount of milk products—fluid milk, and cream, butter, ice cream, cheese, etc.—consumed by each person in the U. S. in each year since 1924. Figures were compiled by USDA.

Does promotion get results?

Consumption of dairy products now increasing. What halted decline?

WHAT are the results from the stepped-up dairy promotion campaign?

Dairymen who have contributed toward the campaign thru check-offs have a right to ask. Answer also is important to hog and beef producers. Since they're now considering a similar program to promote meat thru a check-off.

Per capita consumption of milk products has been climbing since 1953.

The average person in the U. S. last year consumed 710 pounds (milk equivalent) of dairy products. That was 11 pounds more than in 1954.

And it was encouraging to dairymen who had watched per capita consumption decline to a record low of 688 pounds in 1953.

You may have heard for example, that fluid milk consumption was up. And that butter consumption jumped from 8.5 pounds per person in 1953 to 9.2 pounds in 1955.

These figures often are used in pointing to results of dairy promotion campaigns. But how much of the credit for increased consumption of milk products belongs to promotion?

USDA economists point to the following factors which also may have helped boost milk consumption.

From 1953 to 1955, retail milk prices across the nation dropped five percent. And per capita income went up three percent.

Just how much effect the changes in price and purchasing power brought about is debatable. But most economists think it should tend to increase consumption.

Government give-away programs also have been stepped-up during the last two years.

USDA reports show that per capita use of dairy products from CCC supplies or bought with government funds was 15 pounds (milk equivalent) greater in 1955 than in 1953. That would account for a large share of the total per capita increase in use of dairy products.

Not all of the CCC supplies were given away. But most of that material was disposed of at reduced prices.

Distribution of CCC stocks of dairy products to military establishments, veterans hospitals and needy families was stepped up.

And the government has taken steps to increase sales of dairy products. For example: Use of butter in the armed forces during 1955 was almost double the amount used in 1953.

The Agricultural Act of 1954 also provided for the special school milk program which has boosted milk consumption in schools. Distribution of milk to schools in 1955 exceeded nine pounds per person. That compares with five pounds used in school lunch programs during 1953.

So it's obvious that credit for increases in consumption of dairy products must be shared.

But increased consumption may not be a full measure of the efforts to promote use of dairy products.

Prior to 1954, consumption of dairy products had been declining for several years.

Non-farm families consume less dairy products than farm families, according to USDA studies. And each year, non-farm families comprise a larger share of the U. S. population.

So the decline in consumption of dairy products might have been expected to continue.

But the reverse has happened. Not only has the decline been halted, consumption has increased.

Dairy farmers who've contributed to promotion campaigns thru their check-offs can feel that they've had a part in helping reverse that trend.

MIKE MASTER SAYS:

MR. IOWA FEEDER,

shake hands with your new neighbor . . .

MASTER MIX FEEDS!

MASTER MIX *...the name that's famous for* QUALITY FEEDS *and* FRIENDLY SERVICE *in* 28 *states*

Yes, MASTER MIX . . . the top quality feed that's scientifically formulated and farm-tested to give you more for your feed dollar . . . *is heading your way!* McMillen Feed Mills has established a new MASTER MIX distribution center for Iowa at Cedar Rapids. So watch for the famous MASTER MIX SHIELD and friendly salesmen in your locality . . . or write McMillen Feed Mills for information about how MASTER MIX can make greater profits for YOU!

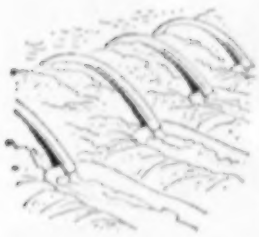
MASTER MIX FEEDS

McMILLEN FEED MILLS
FORT WAYNE, INDIANA
With a Distribution Center at CEDAR RAPIDS, IOWA

For every sprinkler irrigation need, ALCOA provides pipe of

FULL-THICKNESS WALLS

Full-thickness walls of sturdy Alcoa® Irrigation Pipe pay off when you set your irrigation system on wheels to move it. Wheel moves subject irrigation pipe to real punishment, but Alcoa's full-thickness walls and its strong corrosion-resistant alloy enable it to stand up under the most severe stresses and strains.



Siphon tubes absorb a lot of bumping around, but if yours are made of durable full-thickness Alcoa siphon tube stock, you'll find they will remain fully efficient . . . fight off the dents that reduce water flow, slow operations.

For irrigation pipe that will stand up under tough handling, ask your dealer for full-thickness Alcoa Irrigation Pipe.

Gated irrigation pipe made of Alcoa Aluminum will deliver the irrigation service you need . . . will perform efficiently season after season in intensive use. Your investment in gated pipe is well protected when your system uses durable Alcoa Aluminum.

THE ALCOA HOUR
TELEVISION'S FINEST LIVE DRAMA
ALTERNATE SUNDAY EVENINGS

Member of
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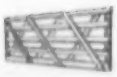
OTHER ALCOA PRODUCTS FOR BETTER FARMING

☐ Send information about Alcoa Aluminum Farm Roofing



☐ Send information about Alcoa Aluminum Farm Gates

WRITE FOR THIS BOOKLET

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☐ Please send *Pipelines to Profit*, irrigation booklet

Name _____

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Open shade is best for sows that are being smoothed up for market or kept over to raise fall pigs. Hog houses or other closed buildings are not suitable for any kind of hogs in hot weather.

Farmers lose by pig increases

When hog totals went up 10 percent, farmers got 23 percent less money

ARE you making plans for fall and spring pigs? Before you set sow numbers, you should look at some very interesting figures from hog market records of the last two years.

More hogs mean less money. Hog raisers know that's true for the whole group.

But the losses in money and feed from extra hogs may not be fully realized. Let's examine the figures.

In 1954, U. S. farmers raised 86.8 million hogs. Total live weight of hogs was about 18.2 billion pounds.

Then in 1955, farmers increased hog totals 10 percent. Total hogs went up to 95.3 million. And weight of live hogs reached 20 billion pounds.

What happened to prices? Average price was $21.60 in 1954. Price went down to average of $15 in 1955.

Farmers' loss was about 900 million dollars comparing 1954 with 1955. Total received in 1954 was 3.8 billion dollars. In 1955, only 2.9 billion.

But that wasn't the only loss. Farmers had to feed the 10 percent extra hogs, or 8.5 million head. That cost is estimated at 238 million dollars.

So by raising extra hogs, farmers lost 900 million dollars in cash and 238 million dollars worth of feed.

A 10 percent increase in hogs cut farmers' cash returns 23 percent. Counting both cash and feed, the cut was near 30 percent.

These figures, except cost of feed, are from Market News, a publication of the U. S. Department of Agriculture. Home butchered hogs are included in the totals.

Are the figures too big to understand easily? Let's apply them to a Corn Belt farm where the farmer raised 100 pigs in 1954. We'll assume this farmer made the average increase for 1955 of 10 percent.

In 1954, the farmers' 100 pigs at average weights and prices would have brought about $5,184. In 1955 with 110 pigs, he probably got about $3,960 in cash. That would be a reduction of $1,224.

But of course the extra 10 pigs must be fed. That cost would be at least $28 per head or $280. Add that loss to the $1,224, and you have a total reduction in gross return from 1954 to 1955 of $1,504. Extra hogs didn't pay.

But what can the individual hog raiser do?

Some hog raisers say the individual can do nothing. You may have heard these two arguments:

1. There's no use for me to cut sows. Others will increase and offset what I do.

2. I'm not going to cut sows. Others may cut, and then I'll have hogs to sell when numbers go down and profits are good.

Occasionally you may hear a hog raiser on the other side answer like this:

If others don't cut sow numbers, there'll be no money in hogs. So I'd just as well cut down a little or at least go back to 1954 numbers.

If others do cut sows, and hog prices get good again, I don't stand to lose much by cutting. I'll still be in on the hog profits. Only the profit on extra hogs will be lost.

Of course there are hog raisers who did not increase sow numbers for 1955 over 1954. Their hog raising is set up on a pattern based on feed supplies and equipment. These farmers can make a good argument for no change now in sow numbers.

Still it appears that there is little an individual can lose by sow reductions. There may be actual gains in hog profits. And the hog raiser who reduces at least to 1954 levels can feel that he is helping to put the hog raising industry on a more healthy basis.

Benson's words stir comment

On TV, Secretary of Agriculture Benson recently stated: "I can't conceive of a thing that this administration could have done that we haven't done in the last three years that sounds workable." Here's comment from readers:

BENSON WAS RIGHT when he said the administration had done everything that was workable and sound.

Should we subsidize farmers for inefficiency? We are a minority. And let's not forget it!

Each farm enterprise has different problems. And no farm program offered to date can be the solution to all these problems. Let's learn to help ourselves thru more efficiency.—Howard Davis, Cedar county, Iowa.

I CAN'T CONCEIVE of a thing that this administration could have done that they haven't done in the last three years to wreck our farm program.

It worked. We are now back to the days of Calvin Coolidge and the vetoing of the McNary-Haugen Bill—when everything that would have given the farmer a fighting chance against his exploiters was denounced as unsound, unsafe, unworkable, unconstitutional or "un" something else.—Mrs. A. R. Guernsey, Winnebago county, Iowa.

EVIDENTLY NOTHING has ever sounded workable to the present administration. As that is exactly what and all they have done—NOTHING. Except to howl about over-production.

. . . . What we farmers want and need is a little more income and a little less outcome.—Chas. H. Davis, Decatur county, Iowa.

HE COULD HAVE lifted trade barriers so that we could trade directly with foreign countries (including Russia) thru our co-ops for strategic materials such as copper, cement, tungsten, rubber, etc. Our rate of exchange (farm products for dollars) is very poor. Maybe we could do better by trading farm products for foreign raw materials.

He could have enforced 90 percent supports more strictly by keeping cross-compliance. He didn't try to make it work.

He could have investigated the marketing of farm produce and the profit of those who handle it after leaving the farm. Monopolistic groups have cheated the farmer and the government out of millions in the livestock, cotton and grain markets.—Richard Vosika, Pocahontas county, Iowa.

IF MR. BENSON had made the statement as I have changed it, it would be closer to the truth.

I can't conceive of a thing this administration has done in the last three years that sounds workable. — Clair N. Parrott, Buena Vista county, Iowa.

WHAT WE NEED is more God-fearing people that are willing to put their shoulder to the wheel and help get us all back on a peace time economy.—J. J. P., Nebraska.

The New, Low, Low Priced 20¼" WIDE

Kewanee "500"

Now the work-saving features of the highest priced elevators available at a low, low price. Power raise and lower. Easy-lift hopper. Sealed, greased-for-life bearings.

The new KEWANEE "500" is 175% stronger than competitively priced designs. Its stronger, reinforced sections won't belly down, sag or buckle. It is completely Ti-Co galvanized—won't chip or flake. It can operate on PTO (from either side), gas or electric drives. It is equipped with anti-spill plate which prevents grain spillage between hopper and boot of elevator, and an automatic lock that secures it in the transport position. One truck with extension handles 20' to 42' "500" Elevator. See it at your dealer's.

Introducing the Sensational

ALL-WAYS Balanced Truck

Keeps your elevator in balance automatically as you raise or lower your elevator to crib or mow. You never lift more than 50 pounds at the boot end when the elevator is raised or in the transport position...even when hopper is attached. No one else has it, it's only available on the new KEWANEE "500" and "600."

For complete details on this amazing truck and elevator, send for a free catalog, or see them at your dealer's.

Now, from Kewanee the New, New, Newest

BIG 20¼" WIDE

Farm Elevators Yet

Leading Manufacturers of Portable Farm Elevators Since 1920

New, Power Packed, Big Capacity 20¼" WIDE

Kewanee "600"

Power raise and lower these 30' to 60' elevators easily and quickly with the same PTO, gas or electric drive you use to drive the flights. Quality constructed from its perfectly balanced hopper to its "one-pin" removable head. The "600" is 250% stronger than competitive designs because: The angle iron at section joints is bolted 8 times to reinforce the section. The trough is doubly reinforced by two bottom supports per section. Center-pull flight every ninth link. And bearings are sealed—greased for life. Send for catalog on the "600"—newest elevator in the farm field—or see it at your dealer's.

KEWANEE MACHINERY & CONVEYOR CO., KEWANEE, ILLINOIS

How to handle layers

Good management of your laying flock means more eggs and bigger profits

THE Nutrition Council of the American Feed Manufacturers Association has made a study of layer management. Recommendations from all land grant colleges and experiment stations were studied.

The following recommendations are made by the Nutrition Council for those of you who want better performance from your laying flock:

1 FLOOR SPACE

At least 250 square feet of floor space per 100 light breed layers or 350 square feet per 100 heavy breed layers should be provided when birds are in continuous confinement. This total space includes area covered by roosting pit.

2 FEEDER SPACE

A minimum of 40 linear feet of feed hopper space is recommended per 100 layers when all feed is provided in hoppers. When grain is fed in litter, or in automatic feeders, provide at least 30 feet of hopper space per 100 layers. And about one-half foot of grit hopper space and one foot of calcium supplement hopper space per 100 birds.

3 TYPES OF FEEDERS

Any type of feeder is satisfactory as long as birds can adequately feed from it without waste. Feeders which rest on or near the surface of the litter are preferred for heavy breeds.

4 DISTANCE FEEDER TO WATERER

It is recommended that all feeders be within 15 feet of a waterer within the pen.

5 WATER SPACE

A minimum of one eight-gallon gravity flow tank waterer or its equivalent should be provided per 100 layers. A minimum of one round automatic or jet flow waterer is recommended for 150 birds. When trough type automatic waterers are used, provide a minimum of eight linear feet per 100 layers. Extra drinking space is best in hot weather.

Editor's note: (Automatic waterers save labor and help keep your hens eating in hot weather. Each 100 hens will drink about five gallons water a day.)

(Continued on next page)

A SPECIAL MESSAGE

...For the Corn Belt Cattle Feeder

AUREOMYCIN

Now Available In

"4x4" **Beef 25 Supplement**

In Combination With

STILBESTROL

Aureomycin-Fed Cattle At Walnut Grove's Research Farm

A group of Omaha Commission Men and Packer Buyers placed visual valuation of 50c to 75c higher on these steers as compared to others fed a normal ration.

For Increased Feed Efficiency . . . Greater Gains!

Field tests — Experimental research show that continuous feeding of a combination of AUREOMYCIN and STILBESTROL in "4x4" Beef 25 Supplement promotes fast, low-cost gains under normal feeding and management practices . . . Promotes better general health . . . Gives cattle more vigor to withstand stress . . . Minimizes disease . . . Improves finish!

WALNUT GROVE
Products Company, Inc.
Atlantic, Iowa — West Liberty, Iowa
Manufacturers of
"4x4" Feed Supplements & Livestock Minerals

WE URGE YOU

. . . To secure additional information on this and other new products for the cattle feeder. Write today to WALNUT GROVE, Atlantic, Iowa. This important information will be sent you without obligation.

SWEE-TOSE
Pelleted — Free-Flowing Contains Over 42% Pure Cane Sugar

Works 3 ways to assure top-quality grass silage . . . (1) Provides Pure Cane Sugars for proper fermentation; (2) Preserves more than 80% of the nutrients in grass and legumes; (3) Adds to the nutrient value of Grass Silage.

Pelleted Beef and Calf Mineral
With Phenothiazine Added

The first pelleted cattle mineral available . . . Contains a balance of all minerals known to be needed by cattle—Plus 500 milligrams of phenothiazine per ounce for continuous protection against cattle worms.

Pelleted Phenothiazine Wormer
(1-Day Treatment)

The only pelleted 1-day cattle wormer on the market . . . Takes only 1 pound per animal. Easy to use—just feed in 1 feeding . . . You needn't worry about cattle going off feed. Economical — Costs less than 25 cents per head.

How to handle layers (Cont.)

6 ROOST SPACE

When roosts are used, a minimum of six to 10 inches of roost space per bird should be provided. This allows for 50 to 58 feet per 100 layers, altho in warm climates up to 75 feet per 100 layers may be desirable. A wired covered floor pit area is recommended.

7 NEST SPACE

A minimum of 20 individual box type nests should be allowed per 100 birds. Two community - type nests two by six feet should be the minimum allowance per 100 birds.

8 ARTIFICIAL LIGHTS

It is recommended that sufficient artificial light be used for both market egg and hatching egg layers, to provide an average 13 to 14 hour light period per day. The amount provided by one clean 60-watt bulb, suspended seven feet from floor surface for each 200 square feet of floor space, is recommended. The period of artificial light application is optional, altho most prefer the more simple morning light period.

9 LITTER

Provide at least four inches of suitable litter at time of housing. Sawdust, crushed corn cobs, chopped straw, peat moss and others may be used when free from injurious materials. Frequent additions with stirring may be made from time to time so that total may amount to about six to eight inches in depth, six months after housing. Don't re-use old litter.

10 CANNIBALISM

It is recommended that all layers be debeaked electrically, when necessary to control cannibalism. Many prefer to do this at housing time, eliminating an extra handling. Feed depth in hoppers is more critical when layers are debeaked.

11 MATING

Considerable variation occurs in the allowance of males to females for good fertility results. Generally, it is well to provide a minimum of six to seven light breed males or seven to eight heavy breed males per 100 females. Breed, strain and general experience are factors which must be weighed.

12 CONFINEMENT

All laying and breeder flocks should be totally confined for most satisfactory operation. For very warm climates, an outside, shaded, grass-free run may be desirable.

When Hoppers Strike

GET FAST KILL with aldrin

You know what hoppers can do! When you've got 'em there's no time for half-way measures! Hit 'em fast, and hit 'em hard with *aldrin*—the No. 1 hopper stopper.

Aldrin kills grasshoppers with an extremely low dosage per acre. *In fact one gallon of aldrin* (4 lbs. E.C.) *will control grasshoppers on 32 acres of cropland.* Aldrin gets grasshoppers if they taste it, breathe it, touch it—and it kills fast, too. Apply it as a ground or air spray. The aldrin label is accepted for use by state and federal governments.

Or you can use dieldrin. Dieldrin is the ideal insecticide for hopper control in hot, dry areas. Its long residual action kills hoppers many days after application.

Use aldrin or dieldrin at the *first sign* of grasshoppers. Your insecticide dealer stocks well-known brand formulations containing aldrin and dieldrin.

SHELL

SHELL CHEMICAL CORPORATION
Agricultural Chemical Sales Division
1221 Locust St., St. Louis 3, Missouri

Here's how Strongbarn stands up under 300 pounds of cement blocks . . .

. . . compared to competitive materials of the same gage.

Putting up a building?. . .

Strongbarn gives you extra strength without heavy gage

Gage, or thickness, is *not* the measure of strength, and this is a fact you should know when you buy metal sheets for building. Thickness and strength are not necessarily the same thing. Strongbarn galvanized steel roofing and siding is an outstanding example of this fact.

Strongbarn is more than *twice* as strong as competitive materials of the same gage. Also, Strongbarn weighs considerably less per square than conventional materials of equal supporting strength, but thicker gage.

This is the result of a specially formed high-tensile base metal which gives you a lightweight, strong, galvanized steel roofing and siding with strength as great, or greater, than competitive 26-gage* roofing and siding. *Only* Strongbarn gives you galvanized steel roofing and siding with high-tensile base metal. All others are made of "soft" base metal.

*The *lower* the gage number, the thicker and heavier the sheet metal. Did you know that the difference in thickness between a 29-gage and a 28-gage sheet is only fifteen ten-thousandths of an inch (.0015"), or about ½ the thickness of a sheet of stationery?

Here's what Strongbarn's extra strength and lighter weight mean to you:

- The greater structural strength of Strongbarn saves cost of solid sheathing, permits wider spacing of stringers and other supporting members, makes roofing and siding an actual structural part of your building.
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- You get superior roofing and siding which *costs less* than competitive materials of equal supporting strength.
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Workday pointers

SOIL PACKING under tractor wheels will damage row crops if ground is cultivated when wet.

▼ ▼ ▼

AFTER a pig weighs 200 pounds, you can figure that it takes around 500 pounds of feed to make 100 pounds gain.

▼ ▼ ▼

IN WARM WEATHER, divide the hogs to be shipped several hours before the truck arrives to haul them to market. They need time to cool off and rest after being disturbed.

▼ ▼ ▼

IF HENS must wait to get to feeders and waterers, egg production will suffer. At peak production, 100 hens will eat 25 pounds of feed per day and drink six gallons of water. They can't eat and drink that much working in shifts.

▼ ▼ ▼

ROUND EQUIPMENT will handle more birds per lineal foot of feeding space than will long troughs, say Illinois poultry specialists.

▼ ▼ ▼

WANT YOUR lawn to be like a thick carpet under your feet? Cut the grass two inches high, and leave the clippings on the ground.

▼ ▼ ▼

CREEP FED CALVES may be from 30 to 100 pounds heavier at weaning than calves not given grain. There may be no net profit, however, if calves are sold as feeders.

▼ ▼ ▼

PHEASANT NESTS are found most often in the part of the field where grass is tallest and thickest, says E. L. Kozicky of Iowa State College.

▼ ▼ ▼

SAFEST FARM management plan at this time might be to engage moderately in cattle feeding and hog raising and also plan to seal one crib of corn.

▼ ▼ ▼

WEED KILLERS and grasshopper poison don't work very well together, say Iowa State College specialists. Grasshoppers like fresh weeds, not wilted by weed-killers.

▼ ▼ ▼

GRAIN SORGHUM is worth 85 to 90 percent as much as corn for hogs, says E. L. Quaife of Iowa State College. However, grain sorghum must be ground for best results.

▼ ▼ ▼

PROTEIN AND MINERAL supplements for hogs need to be slightly different for grain sorghum than for corn. Grain sorghum is low in calcium and in vitamins A and D.

▼ ▼ ▼

TO KILL broadleafed weeds in corn, spray with 2,4-D soon after the weeds come up. Corn less than 12 inches high won't be hurt by the spray, according to weed specialists at the Illinois College of Agriculture. If corn is over 12 inches high, use boom drops to keep the spray from falling directly on the corn.

EVER NOTICE that hens eat more feed where light is best? Nests can be dark, but feeding space should be well lighted.

▼ ▼ ▼

SUDAN GRASS can still be planted on odd pieces of ground. It will make pasture about six weeks after planting. Twenty to 30 pounds of seed per acre is recommended.

▼ ▼ ▼

WEEDS in corn or beans are easiest killed when first leaves have appeared. Every day you wait after that means some weeds will survive.

▼ ▼ ▼

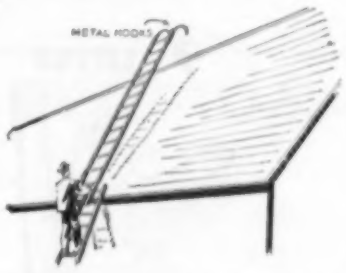
FOR FAST CURE of first crop alfalfa, rake before leaves get brittle; see that the side delivery rake turns all of the hay over; turn again the next morning just before leaves are dry from the dew.

▼ ▼ ▼

CULTIVATE your young trees just as you do your corn if you want them to start rapidly. Weeds rob trees as well as crops of moisture and plant food.

▼ ▼ ▼

WHERE'S THE LADDER? You'll want to know exactly if fire starts in farm buildings. Good plan is to have just one place for the ladder and be sure it's kept there. Some provide



two ladders; one to reach the eaves of the buildings and another with hooks on one end to be placed over the roof peak so you can climb up the side of a roof. Such a ladder set can be used for repairs as well as in case of fire.

▼ ▼ ▼

MONDAY MARKETS are not always highest of the week. Many times Monday receipts are too big, and farmers would get more money for livestock on other market days.

▼ ▼ ▼

APPLICATION for refund of your federal two-cent gas tax should not be filed until after June 30. Refunds can be asked on all gas used for farming purposes back to January 1.

▼ ▼ ▼

FAST GAINS on pigs are nearly always the most profitable gains.

▼ ▼ ▼

HAULING GRASS to cattle in dry lot was not found to be economical in three-year Indiana tests.

▼ ▼ ▼

COOL WATER for cattle increased summer time gains in California experiments. With water at 65 degrees, cattle gained a quarter-pound per day more than with water at 89 degrees.

Field preparations chairman Ben Primus is shown planting corn plots for the Corn Belt Farm Family Field Days.

Field day progress

Benson and Kefauver to speak . . . over 100 exhibits assured . . . 15 forage choppers . . .

C.B.F.F.F.D. That's the way some folks are saying Corn Belt Farm Family Field Days.

The big event is coming up June 21 and 22—just a few weeks away. Already, folks from all over the Corn Belt are making plans to attend.

Scope of the show continues to widen as the final days come nearer. New demonstrations are being added. Over 100 companies have already asked for exhibit space.

Fifteen different makes of forage choppers have been promised for the forage demonstration. Of course, balers, crushers and other equipment will make up part of the same demonstration.

Not long ago, Estes Kefauver, Tennessee's "coonskin" senator and presidential hopeful, announced that he would visit the Corn Belt Farm Family Field Days on June 22.

Then Secretary of Agriculture Ezra Benson decided to join the crowd on the same day.

Benson will speak at 1 p.m.; Kefauver, at 2 p.m.

Meanwhile, work on regular demonstrations progresses rapidly. Early attempts to plant corn were delayed by welcome rain. Within a two-week period, a series of gentle rains brought soils in the Eldora area back to near normal moisture.

On May 16—the fourth scheduled planting date—a crew of field day folks managed to get the plots planted. And with only one delay for a light shower.

Planting plots involves other typical farm problems, too. Planter shoes plug. Wet spots in the field. Borrowed furrow openers to be reworked to fit the planter. Tractor wheels to set in for wheel track planting. And so on.

Ten acres of plots make a good day's work for four men when every few rows require some different equipment or adjustment.

Of course, neighboring farmers stopped by to ask jokingly, "Wouldn't it go faster by hand?" Then, still smiling at a chance to "kid the experts," they moved on to inspect both equipment and methods with interest.

Work on other phases of the show moves along, too. It all adds up to two days of fun and information that you won't want to miss.

Where will the Corn Belt Farm Family Field Days be held? How do you get there? Square on the map shows location near Eldora, Iowa. Numbered primary roads are also shown leading to the two day event. Now pick your route and plan to be there June 21 and 22.

HERE'S YOUR FERGUSON

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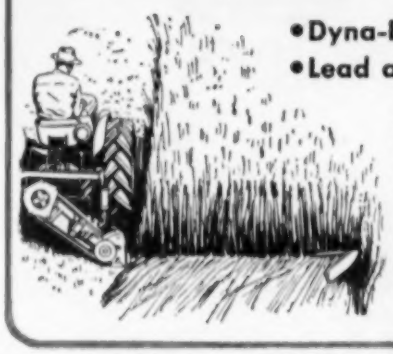

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A revolutionary new, high-speed mower with ground-level drive. Eliminates excessive vibration and resultant costly breakdowns so common with old-style, pitman-type mowers. Mow safely up to 30% faster because there's no vibration to tear your mower apart. Easier on the tractor and you, too!

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Rake safely . . . with no leaf shattering . . . with no roping of windrows with a Ferguson PTO Rake. Side-delivers hay from swath to windrow in half the distance of ordinary rakes . . . and with a new Ferguson Tractor, the Rake turns at the exact, correct speed regardless of how fast you're traveling. Also available in 7-ft. size.

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With the Tractor-Mate Baler you turn faster on the headlands . . . get around easier in small or irregular fields. Baling is done right at your elbow. If a miss should occur, you see it before it leaves the chamber. Twin feeder fingers prevent plugging, and minimize leaf loss. Hooks up in less than 2 minutes.

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This years-ahead Ferguson Tractor-Mate Forage Harvester gives self-propelled efficiency, yet you have your tractor for other farm jobs. It's side-mounted for maximum maneuverability . . . eyes ahead visibility. Takes only 90 seconds to hitch or unhitch. Precision controlled from tractor seat. *Ferguson*, Racine, Wis.

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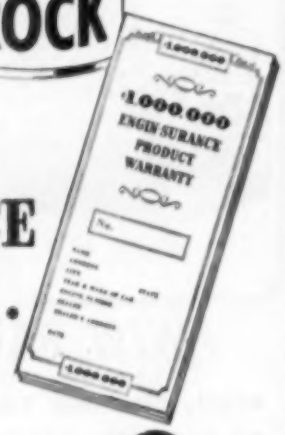

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The STOP ...that keeps you *GOING*

DEEP ROCK

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Electric fences give the pasture program a big boost on the Fred A. Hamann farm in Scott county, Iowa. Cattle graze one part of the pasture for a few days. Then they're moved to a new strip. Result is greater carrying capacity, Hamann says.

When you need a fence fast

Electric fencing is the answer. Here are tips for best results

NICE thing about an electric fence is that it's easy to build—and easy to remove.

So the electric fence fits right into the picture when you need a temporary fence in a hurry.

But a carelessly constructed electric fence can be more trouble than it's worth. Livestock soon take advantage of a fence that has lost its "kick."

Here are points to remember when putting up an electric fence:

Safety comes first. Don't buy or use an electric fence controller unless it carries the Underwriters' Laboratories seal of approval.

Remember, you're playing with electricity. And electric fences that were improperly designed or installed have been responsible for human as well as livestock deaths.

Don't try to make your own electric fence controller. The saving isn't worth the risk. Most electric fence tragedies are due to homemade electric fence installations, says the national safety council.

Approved controllers have carefully spaced "on and off" impulses of current. And that current is reduced to a few hundredths of an ampere.

Don't tamper with the controller. If it needs repair, return it to the manufacturer or have it serviced by a factory-authorized representative.

For successful operation, an electric fence controller must be properly grounded. Without that, the fence is almost useless.

A copper rod or galvanized pipe should be driven into the ground six to eight feet to form a proper ground. A shorter rod might work in wet weather. But damp soil is essential for proper grounding. So the depth is a safeguard. No. 8 copper wire should be used to connect the ground rod and the controller.

Protect your electric fence controller with a lightning arrester. This protects your investment. And it may keep the cows out of the corn following a thunder shower.

Either smooth or barbed wire can be used for the electric fence. Barbs, however, may prick the animals so that they get a shock more quickly than from smooth wire.

Brace corner posts firmly. Efficiency of an electric fence may be reduced if wires are loosely strung. So keep the wire tight. Line posts can be set one to three rods apart.

Be sure the electric fence wire is properly insulated from posts. Insulators should be wiped clean before using. Dirt can act as a conductor and ground the fence.

One wire usually turns larger livestock such as cattle. Height of the wire should be one-half to two-thirds the height of the animals.

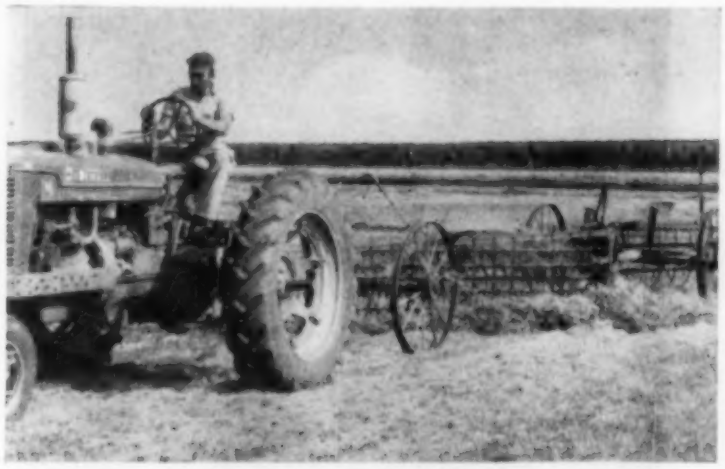
For hogs, two wires may be necessary. Lower wire should be three or four inches above the ground. Top wire, half to two-thirds the height of hogs.

Frequent checking is a must for electric fences. Storms and winds may blow materials against the fence and ground the circuit. Shocked animals sometimes kick the wires, knocking off insulators or breaking posts.

Most controllers are equipped with signaling devices which enable you to determine the condition of the fence. Some have control features which enable you to select the proper shock output for different weather conditions.

More current is required to deliver an effective shock when soil is dry than when soil is damp or wet.

IF YOU'RE near 65 years old and want to build credits for social security payments, keep the old cows and old sows this year and sell young stock. Proceeds from sales of dairy and breeding stock are not allowed as income base for social security purposes.



When this picture was taken, Donald Aure of Humboldt county, Iowa, was raking hay while his father ran the baler. June is the month when many farmers will make decisions that determine the quality of their hay. Article below gives recommendations on the best time to cut hay.

What stage to cut hay?

Depends on type of legumes and grasses you have. Here are suggestions for getting the most, high quality hay

YOU can have more high quality hay on hand next winter if you cut hay at the proper time this summer.

A hay shortage is expected in Iowa this year because of low moisture this spring. That's why it'll pay you to give special thought to cutting your hay at the stage which will give you the most and the best hay.

Ralph Krenzin, agronomist at Iowa State College, says the best cutting time varies with the different types of legumes and grasses.

In legume-grass mixtures, Krenzin advises cutting when the legume is at its best stage. Legumes are more valuable than grasses as hay, due mainly to their higher protein content.

So unless the stand is mostly grass, it's best to let the legume be the guide as to when to cut for hay. Individually, the best stage of growth to cut various forages and grasses for hay is as follows:

ALFALFA. You'll get the largest yield of high quality hay if you cut it in the early part of the bloom period. Cut at about 1/10 to ¼ bloom.

RED CLOVER. You can let it get more mature than alfalfa. It's ideal for hay when cut at about the full bloom stage.

ALFALFA - BROME. If it's mostly brome, cut it just as the brome heads out. It's more leafy and vegetative then. If it's more than 50 percent alfalfa, cut when the alfalfa is at its best stage.

RED CLOVER-TIMOTHY. If predominately timothy, cut it early, just as it's heading out. The heads tend to become chaffy and the stems woody if you wait longer. If it's mostly red clover, cut it when the clover's in full bloom.

OATS. If seeded in early spring, oats should be ready for harvest as hay in late June or early July. Cut it in the milk stage.

SUDANGRASS. Cut when coming into full bloom if you want a second crop that can be cut for hay before frost. Or you can get a slightly smaller total yield with less labor by harvesting only once when the seed is in the soft dough stage.

SOYBEANS. Usually seeded for hay between May 10 to July 15. Soybeans should be cut for hay when the first pods have become well filled.

SOYBEANS - SUDANGRASS. When grown together, cut when the soybeans are at the right stage. The sudangrass will be far enough along. If you wait for the sudangrass, the beans tend to become too stemmy and coarse for hay.

Legumes cut at an earlier stage of growth than recommended will contain a higher percent of protein per pound, Krenzin says. But cutting at the recommended stage of growth will yield the highest total pounds of protein per acre.

Alfalfa hay, for example, contains about 19.78 percent protein when cut in the bud stage, yielding about 960 pounds of protein per acre. When cut at 1/10 bloom as recommended, alfalfa hay contains only 18.92 percent protein. But due to the larger plants at this stage, it yields about 1,125 pounds of protein per acre.

Unless you're trying for particularly high quality hay, Krenzin advises cutting at the stage which will give you maximum protein hay per acre. This will also help to maintain better stands of alfalfa.

IF YOU ARE planning to do improvements during late summer or early fall, arrange for the work now. Chances of getting help when you want it are best this way.

Your Best Opportunity for HOG PROFITS—

"GROW 'EM FAST! SELL 'EM EARLY!"

Photo Courtesy Roger Treda, Pottawattamie County, Iowa

Bring PIGS AND PROFITS Together!

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"GRAIN BALANCER"

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NOW WITH ARSANILIC ACID

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FROM 75 LBS. TO MARKET. During this final period, you use your own farm-grown grain to even greater advantage. Balance it for maximum efficiency with GOOCH'S BEST Super "40". Only ½ to ¾ lb. per head daily of this high antibiotic supplement balances a full feed of grain for fast economical gains and early market finish.

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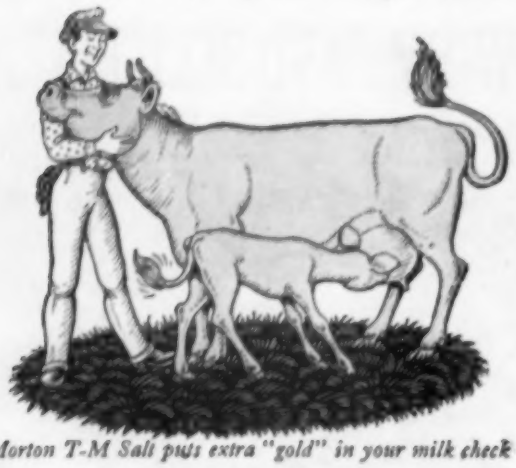

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Morton TRACE MINERALIZED Salt for more milk, husky calf crop

ONLY a few extra hundredweights of milk per year will bring in enough to pay for about a ton of T-M Salt. Therefore, it is livestock insurance that costs you *practically nothing!*

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No other direct drive chain saw does so many wood-cutting jobs around farms, camps, estates and ranches.

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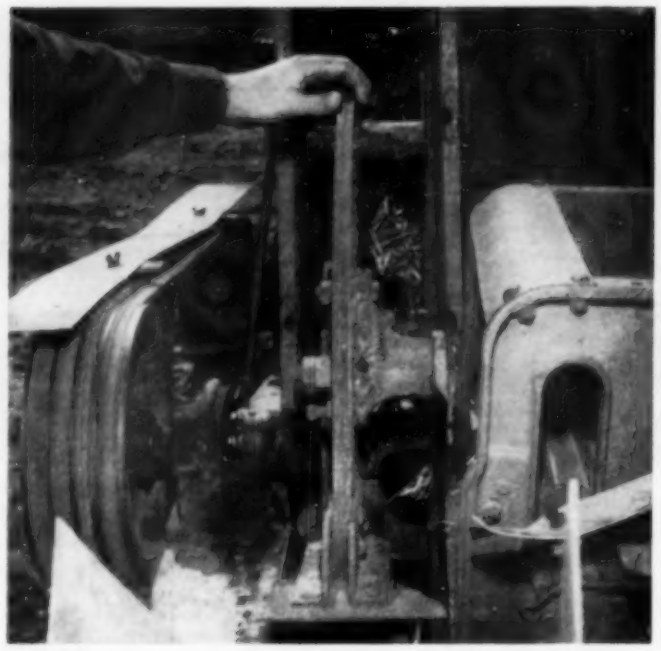


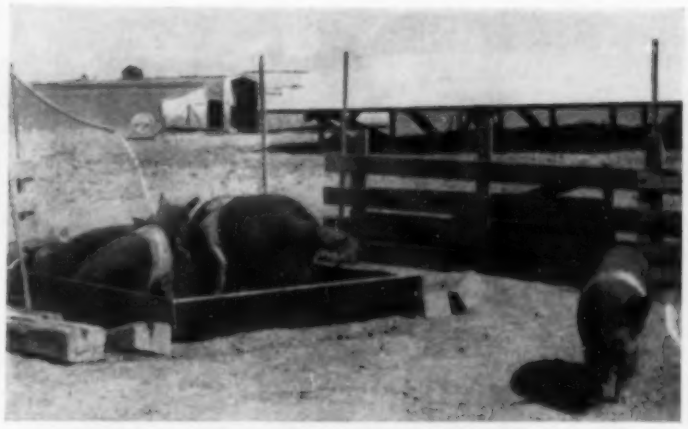
Before you buy a used chopper, check the flywheel to make sure it's in balance. Easiest way is to turn the wheel slowly. Out-of-balance wheel will tend to roll to one position.

When you buy that used chopper

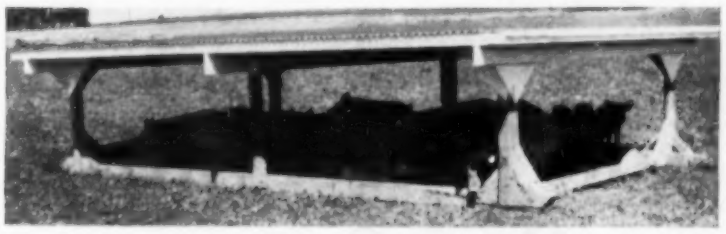
Watch out for worn bearings and gears or an off-balance flywheel

Watch out for worn bearings in out-of-the-way spots. Because they're hard to reach, they're the ones most likely to be missed when greasing—and usually the ones that cause trouble.

You can spot wear on apron linkage by checking the under side of apron. Badly worn links should be replaced before you use the chopper.



Hog wallow should be located relatively close to shade, as is the case on this Illinois farm. One hundred square feet of wallow will accommodate up to 50 pigs.



Aluminum-topped shade is preferred by hogs on the Elmer H. Meyer farm in Cedar county, Iowa. Hogs will leave other shade and crowd under this one. Twelve square feet of shade per hog is recommended if hogs weigh over 125 pounds.

Help hogs beat heat

Give 'em chance to cool off; make it easy for them to eat

A HOT hog loses his ambition. He doesn't even care about eating. And he'll take extra time to get to market.

That's no news to hog farmers. But it's a reminder that anything you can do to increase hog comfort at this time of year is worth trying.

First thing to consider is shade. Do your hogs have enough protection from the hot summer sun? And is it close to feed and water?

It takes about 12 square feet of shade for each hog over 125 pounds. Up to that weight, about nine square feet is needed.

Artificial shades should be four to six feet above the ground to permit air circulation. Keep down the dust under a shade by oiling the ground or frequent sprinkling with water.

Sanitary hog wallows also help hogs beat the heat. Lying with his belly in water helps a hog get rid of excess heat.

Be sure to provide enough space in the wallow. Otherwise hogs may spend too much time fighting for a place in the water. A minimum of 100 square feet of wallow per 50 pigs is recommended. And the wallow should be close to shade.

Hogs need plenty of clean drinking water in hot weather. If it's cool water, so much the better.

One automatic watering cup should be provided for each 20 pigs.

For hogs that are being finished on concrete, a sprinkling system can add to summer comfort.

Walt Body of Sac county, Iowa, hangs an ordinary plastic lawn sprinkler above the concrete floor in his hog shed. That keeps the floor wet. And hogs are bathed in a fine mist of water.

Or if you can't rig up a sprinkler, it'll help to wet down the concrete floors once or twice daily.

Heat can kill hogs. But more often, it just slows them down.

Hogs don't want to do much hustling for themselves when weather is hot. So if you're to get top gains, you'll have to make eating easy for them. Hogs won't fight for feed in hot weather.

Give 'em plenty of feeder space. Hog experts suggest one foot of self-feeder space for every three hogs weighing more than 75 pounds. You can get by with a foot of feeder space for every four pigs under 75 pounds.

If protein supplement is fed in a separate self-feeder, it should have 10 to 15 percent of the feeder space—more if pigs weigh less than 100 pounds.

For hand-feeding, you should allow 15 inches of trough per pig.

Hogs of varying weights should not be placed together. Range in weight should be no more than 20 percent above or below the average.

Extra attention to details pays in hot weather.

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CASE

5 ft. Big combines are built long; because it takes length of travel . . . as well as area . . . to separate every possible kernel from straw. Case puts long straw-travel into ALL sizes. Low-cost "55" is just right for PTO operation with 2-plow tractors. "Swing over" drawbar permits transport through 10-ft. gates.

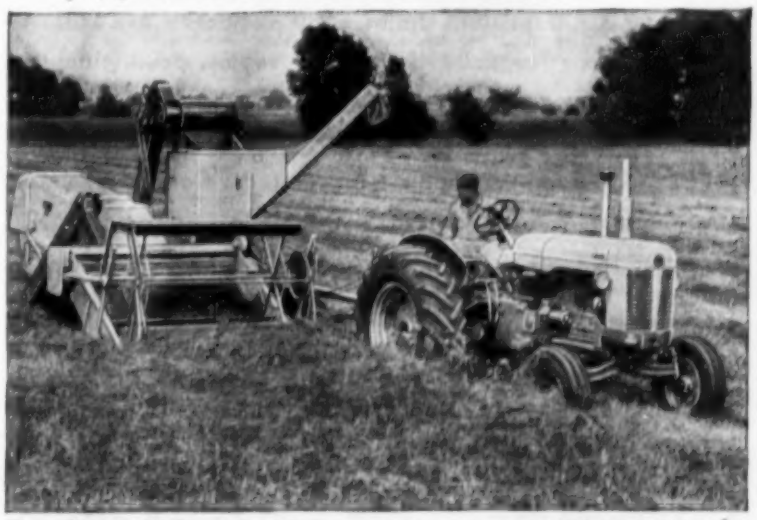
6 ft. All the features of the famous Case "A"—and more in the new "65." Four-speed reel adjusts up and down, ahead and back. Variable-speed fan cleans fluffy grass seed, grains, big beans. Available with electric starter, crank-adjusted cylinder speed. Unloading auger empties bin fast, folds back for transport.

7 ft. New steel-guard cutterbar has added cutting area, goes ahead where others clog. Offers every feature for finest work in widest range—tiny seeds to brittle beans. Model "75" available with hydraulic header control, windrow pick-up, roto-cleaner. Choice of rub-bar or spike-tooth cylinder in all three sizes.

Engine or PTO Drive

Straw Travels Farther

Gets Out More Seeds . . . More Grain



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Your year's rewards hang in the balance at harvest time. Don't risk reduction in yield or loss of crop for lack of a fast, dependable, clean-working combine. Get the machine you need now and start saving. Make payments at times when your farming system brings money in. See your Case dealer about the sensible, economical Case Income Payment Plan. Also see the seasonable machines and tractors he has on display.

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SAFETY FIRST!! Do your buying from firms advertising in Wallaces' Farmer and Iowa Homestead. If you do not find in Wallaces' Farmer and Iowa Homestead the articles you want to buy, just let us know what you want and we will be glad to give you names of reliable firms.

No preservative is needed if you can hit the proper moisture content (65 to 70 percent) when you ensile chopped hay. Photo shows silage being packed in trench silo on the J. F. Wearin, Jr., farm in Mills county, Iowa.

Add preservative to silage?

It helps if moisture content is high. Which preservative? How much needed?

SHOULD you use a preservative when you make grass silage?

"I would hate to try and put up silage without it now," reports an Allamakee county, Iowa, farmer who has used a commercial preservative for four years. It results in better-smelling, better-colored silage, he says.

But a Jasper county, Iowa, farmer counters with this comment: "I've made silage for five years now. Once I used an additive. And I couldn't tell the difference."

He thinks preservatives are needless. You can make excellent silage without a preservative, he argues.

Such arguments pop up just about anytime you get a group of farmers to discussing grass silage. Who's right?

It's likely that both of the above farmers are correct in their observations.

Researchers across the country are pretty well agreed that it's possible to make good grass silage without adding a preservative. But most of them say that a preservative will reduce the risk of spoiled silage. Here's why:

Ideal moisture content for grass silage is 65 to 70 percent. Below 65 percent, it's hard to pack properly. And molds may develop.

Rather than run the risk of letting silage get too dry, lots of farmers stretch the upper limit on moisture. Result may be discolored, smelly silage.

Iowa State College workers give this advice: If moisture content is high (above 70 percent), adding a preservative aids in producing high quality silage and helps stop seepage.

So if you're smart enough—or lucky enough—to get silage put up at 65 to 70 percent moisture, you don't need a preservative. Otherwise, a preservative might help.

With a good preservative, properly used, you can ensile material that has up to 85 percent moisture. And still get good silage.

What preservative should you use? Iowa State College suggests these: Corn, cereal grains, molasses, whey, dry hay, corncobs, sulfur dioxide, sodium metabisulfite, phosphoric acid or a combination of hydrochloric and sulfuric acid.

Using grain or molasses is preferable, the college workers say. Because those materials add to the feeding value of the silage.

Commercially prepared preservatives, however, can do the job just as well. Choice of preservative depends on cost, availability, ease of applying and effect on silage.

Recommended rates for using some of the widely used preservatives are as follows:

Corn and cob meal, 125 to 200 pounds per ton; ground shelled corn and small grain, 100 to 150 pounds per ton; liquid molasses, 60 to 100 pounds per ton, and dried molasses, 30 to 60 pounds per ton. Lower rates of application can be used for grasses and cereals; upper limits for straight legumes.

Use commercially prepared preservatives according to recommendations of the manufacturer.

The average size wagon, seven by 14 feet, will carry about one ton of green chopped forage per foot of depth. You can use that figure in estimating the amount of preservative to apply.

Even distribution is one of the keys to successful use of preservatives.

One big advantage in the use of preservatives is the fact that the grass doesn't need to be wilted. This can save time and labor—especially when weather is uncertain.

Enjoy dairy foods

'Round the clock

you'll feel better, look better, stay healthier

For a Nourishing Breakfast . . .

One of the most nourishing breakfast combinations is a bowl of cereal with plenty of milk or cream. And be sure to put real butter on that toast, pancakes or waffles—makes them taste so much better. Dairy foods for breakfast help you get started right.

For a Tasty, Nutritious Lunch . . .

A protein-rich cottage cheese salad for lunch is both tasty and good for you. It gives you the food energy you need without giving you that filled up feeling. Smooth, creamy cottage cheese is delicious by itself or served with fruit.

For a Mid-Afternoon Refresher . . .

Tensions build up during the day . . . nerves become frayed . . . muscles tense up. Relax for a minute with a tall, cold glass of milk. Milk eases nervous tension. You'll go back to work feeling great.

For Economical Main Meal Dishes . . .

A tangy cheese casserole is a main meal dish the whole family will enjoy. Cheese is an economical, healthful food and the casserole is so easy to prepare. If you like escalloped dishes like potatoes or corn, an ideal way to make them is with smooth evaporated milk topped off with real butter.

For a Good Night's Sleep . . .

Just before going to bed tonight, drink a tall glass of milk. It'll help you to relax . . . sleep sounder . . . feel better tomorrow.

June is Dairy Month
Festival of better living

June's best buys are dairy foods. Serve your family dairy foods 'round the clock to keep them healthier, feeling better, looking better. It's practical and economical to keep plenty of dairy foods on hand, too. That's because you get more vitamins, minerals and proteins for your food dollar when you buy dairy foods.

DAIRY FARMERS OF IOWA

Tips For June

Here are some timely suggestions for the farm and home prepared by Francis A. Kutish, Iowa State College.

JUNE IS THE TIME to: Check for signs of erosion after heavy rains; keep ahead of weeds; harvest hay early—before maturity; check grain bins for repairs needed; spray weeds along fence rows; keep electric fence rows free from short circuit.

▼ ▼ ▼

FOR LIVESTOCK, June is the time to: Watch for signs of bloat—especially in wet weather; isolate and treat sick pigs; supply shade, water, and salt for livestock.

▼ ▼ ▼

ONE-SEVENTH of all feed fed to hogs is lost. Only six or seven out of every 10 pigs farrowed get to market. Clean feed and clean water fed out on clean ground reduce pig losses.

▼ ▼ ▼

HAVE PROBLEMS with wet feedlots during winter and spring—in normal years? Clark and Quinter Lichty, Black Hawk county, Iowa, spread corn cobs in their feedlot. They make it about eight to 10 inches deep. During winter thaw spells, they scrape off the top—replacing with fresh cobs. Bottom always stays dry.

▼ ▼ ▼

FLOOR of Lichty's pole type barn is dirt. This has been made waterproof by filling with six inches of lime. Gives a good, solid floor.

▼ ▼ ▼

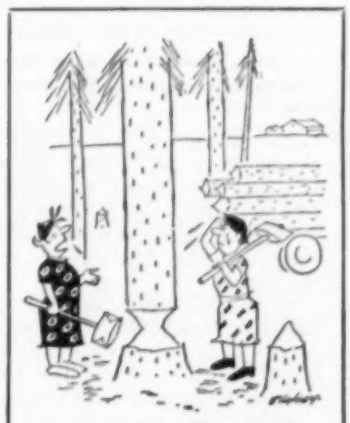
TAX PAYING SEASON is past. But chances are that memories linger on. Did you have an accurate record of expenses and receipts to make sure you took advantage of all your rightful deductions? If not, it's not too late to start now for next year.

▼ ▼ ▼

KNICK-KNACKS look pretty in a farm home, a Cedar county, Iowa, farm woman pointed out recently. But they take a lot of time to dust.

▼ ▼ ▼

ONE OF THE BEST time savers around our farm home, says Mrs. J. C. Holden, of northern Missouri, is a "wash-up" center for the men outside the kitchen.



"I can remember when farm women made their pin money with eggs."

WHAT'S NEW FOR FARMERS?

. . . by Sinclair

New Snow Company Bale Loader

lifts hay bales from the ground, just as scattered in the field by a baler . . . places them in your truck, wagon or hayrack. Completely automatic, the Bale Loader makes loading a fast, one-man operation without sweat or strain. Needs no PTO . . . forward motion of towing vehicle does it. Attaches or detaches from truck or tractor in 10 seconds.

New Sinclair EXTRA DUTY Motor Oil

saves your car, truck or tractor engine from power-robbing deposits . . . keeps it clean! No matter how hot, dusty or damp conditions are, you always get top power to meet peak loads when you drain and refill with Sinclair EXTRA DUTY Motor Oil. Ask for it now. Available in farm-sized 5-gallon utility containers with spout attached. Ask your Sinclair Representative too, about the new multi-grade motor oil, Sinclair EXTRA DUTY Triple X!

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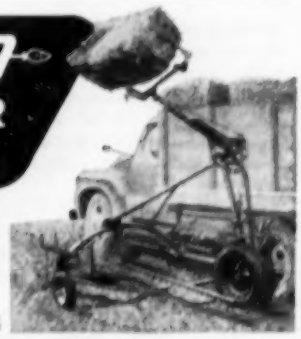
Petroleum Products for every farm need

SINCLAIR REFINING COMPANY, 600 FIFTH AVENUE, NEW YORK 20, N.Y.

Users report: **SNOWCO BALE LOADER replaces 3 men!**



Revolutionary tool automatically picks up all bales and drops them in truck, wagon or hayrack. Operates on any terrain. Attaches to truck in just ten seconds. Truck driver only man needed.

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Let your nose tell you the facts—if it smells like kerosene it contains solvent.

Kill those corn borers where they feed—get them in the early stages, but get them without danger of burn to the plant. Use Riverdale's Solvent-Free 5% DDT Granules. Can be applied with either ground equipment or airplane. No mixing, no water to haul, just dump them into the hopper.

Order your products from a manufacturer who makes Agricultural Chemicals exclusively—not as a sideline.

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Riverdale also manufactures DDT in emulsion form for spray application.

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4,050 sq. ft. pole barn built for only $2700!

Howard M. Call and son, Charles, are owners and operators of a 180-acre dairy farm at Darrowville, Ohio. Their old barn became too small for their growing herd of Holsteins. Therefore, the Calls decided to build a 4,050 square-foot addition—a loafing barn.

By using the pole-type method of construction, the father-and-son team, plus one hired helper, erected this new structure in three weeks' time. And it was built for only $2700—about one-third the cost of a conventional barn of the same size.

Koppers Poles were used for this huge addition. They are pressure-treated with creosote and are *thoroughly* protected against rot and termites. They are ideal for pole-type construction. For free details on pole-type buildings, write to Koppers Company, Inc., Wood Preserving Division, Pittsburgh 19, Pennsylvania.

KOPPERS

KOPPERS POLES

A check and adjustment of your field chopper before you take it into the hay field can be very worthwhile. You'll save fuel and get longer life from your chopper.

To save fuel, and do a better job in the field

Check your chopper

IT WILL pay you to check over your field chopper before you take it into the field.

And the place to start is not with your chopper, but with the manual that came with it. Here's what you can find out from your manual:

1. Where and when to lubricate.

2. How to hitch for best PTO performance.

3. How to sharpen and adjust knives and shearing surfaces.

4. How to adjust for length of cut.

5. How to "time" any parts of the machine that need it.

6. How to keep the operator safe by using safety shields and safe operating techniques.

A few minutes spent glancing thru your manual will also refresh your mind about various parts of the chopper.

Your chopper probably consists of the following:

1. A pickup for windrowed material, or a cutter bar for standing crops.

2. A feeder that delivers the forage to the chopping mechanism.

3. The chopper, usually a cylinder type or a flywheel type cutter.

4. A spout for delivering the chopped forage to the wagon.

Let's start at the front end of your chopper and go over it.

The pickup is usually fairly simple—a raddle, with spring teeth on bars which move on a sort of endless belt. Thing here is to make sure you have enough teeth and that the pickup isn't too loose.

If you cut direct, go over the cutter bar carefully. It should be as sharp and as well adjusted as your mower. Remember: Dull cutting edges take more power.

After the forage is cut or picked up, it usually moves along a feeder and thru rolls that deliver it to knives for chopping. Some machines use a different setting for hay than for corn. So check the rolls for adjustment. The manual is your best guide here.

The heart of your hay chopper is the chopping mechanism. The cutting knives move at high speed and run very close to the shearing knife. Knives should be sharp and carefully adjusted for clearance. Then you'll get the best cutting job and the most economical job. Check your manual on knife adjustment.

You'll likely adjust knives for length of cut, too. This can vary from a fraction of an inch up to several inches. Length of cut is altered by changing sprockets, sheaves or the number of knives used.

One thing to consider is that every knife stroke requires fuel. The shorter the cut, the more fuel used.

If you last used your chopper for corn, be sure to check the length of cut. You may not want the same cut for forage.

In the delivery spout, check for rust that can affect the movement of chopped material to the wagon. See that bolts are tight, connections are good, and that the whole thing is solid.

Proper hitch is important, too. Hitch affects power take-off shaft performance and life. If the PTO shaft isn't in good alignment, you may get excess vibration that causes wear on your whole machine.

The PTO shaft probably runs about 535 RPM, which is about the ASAE standard speed. Such high speed requires thoro lubrication of bearings and universal joints if you want long service. Again, your manual will advise you on how to hitch and about lubrication.

One last point: SAFETY. Your chopper can be dangerous. Always be sure that all shields and guards are in place.

Don't try to adjust the machine while it's running. Especially the knives.

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As a policyholder, you have an equal voice in the management of your County Mutual, no matter how much or how little insurance you carry. This local home-ownership is another reason why over 90% of Iowa farmers insure with their County Mutual. Contact your local County Mutual for the best in farm insurance.

FARM SAFETY HINT FOR THIS MONTH

Avoid barn fires caused by spontaneous combustion in the hay mow. Put up only properly cured hay and check hay temperatures once a week.

This message sponsored by:
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"Be careful . . . she has a little habit of kicking during milking."

New Cattle Grub Remedy

New killer for the cattle grub may get rid of the parasite before it does its damage. Announcement is made by the U. S. Department of Agriculture.

The grub remedy is a drug, known for experimental purposes as Dow ET-57. It's given the animals in their feed.

Scientists call it a systemic poison. That is, it goes thru the animal's body and kills the parasite while it is also working thru the animal's body.

Since the damage is done by cattle grubs before they appear as lumps on the animal's back, the new drug might save cattlemen an estimated 100 million dollars in grub damage every year.

Rotenone and other drugs will kill the cattle grub. But they can't be used until the grubs appear in the backs of cattle. This procedure prevents heel flies and more grubs but can't repair damage already done.

This drug isn't the first systemic found to be effective against grubs. But at present, it shows more promise than others. It's still experimental and not offered to stockmen.

Before general use, it will have to be determined that the drug has no bad effect on cattle or on the meat they produce.

What Extra For Light Hogs?

To the Editor: How much difference in price is there between 220-pound and 275-pound hogs at different markets?—C. D., Linn county, Iowa.

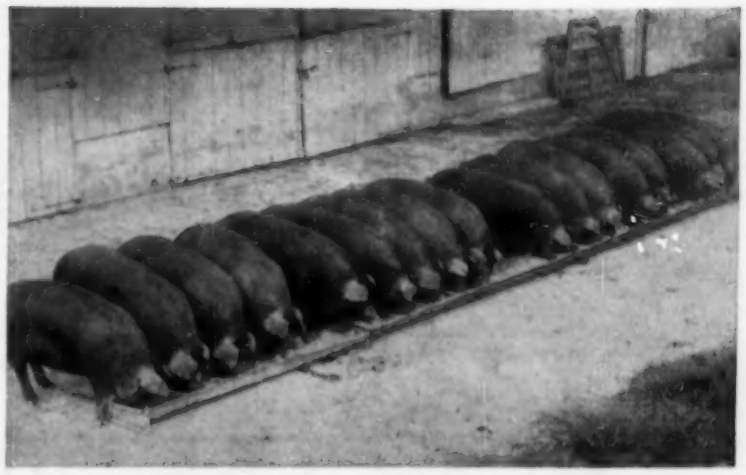
Hogs are ordinarily classified in weight brackets of 200-220 pounds and 240-270 pounds. These are nearest the weights you name, so here are the price differences at several markets as reported by the U. S. Department of Agriculture.

On April 28, at Chicago, 200-220 pound hogs brought 20 cents more per 100 pounds than did 240-270 pound hogs.

At Omaha, the lighter weight classification brought a premium of 50 cents per 100 pounds.

In the interior Iowa and Southern Minnesota markets, 200-220 pound hogs brought 70 cents more than 240-270 pound weights.

So it appears that the premium for 200-220 pound hogs over 240-270 pound weights ranged from 20 to 70 cents per 100 pounds in late April when the fall pigs of the year before were going to market.



New Hog Feeds Now Guarantee to Cut Costs

You can now finish out your hogs on a feeding method that will guarantee to cut hog feeding costs during the critical period from 100 lbs. to market. This guarantee is based on two years of feeding experiments which have demonstrated that adequate levels of three amino acids (Lysine, Tryptophan, and Methionine-Cystine) in a properly balanced ration would increase the efficiency of proteins, step up feed conversion and cut feeding costs.

Cheaper Pork Guaranteed

Because the application of "Balanced Amino Acid Utilization" has resulted in such tremendous feed savings, the company which is now making these feeds commercially has decided to back their claims with a guarantee that would absolutely assure lower feed costs to every hog raiser who tried this method.

COMPARE WITH ANY OTHER FEED

To guarantee cheaper gains from 100 lbs. to market, simply divide your herd in half. Feed half the group with high amino acid pre-mixes plus your own grain . . . and the other half of the herd any other ration you care to use.

Foxbilt Feeds, Des Moines, Iowa, will then guarantee that actual feed costs per hundred pounds of gain will be lower for the half of the herd fed on their high amino acid pre-mixes. If costs are higher, Foxbilt will guarantee to refund the difference in the cost of producing this pork. You cannot lose.

EASY TO QUALIFY

To qualify under this guarantee, you simply advise your Foxbilt representative that you want to make a comparative feed test on the money-back guarantee. The guarantee will then be confirmed in writing by Foxbilt Feeds. There are no strings attached. All Foxbilt wants is actual cost records, to be kept accurately and fairly.

Total Feed Costs only $7.99 per 100 lbs. Gain

ROCK BOTTOM COSTS

Here's what you can expect on this guarantee! Hog raisers who want to feed corn and oats, will use Foxcentrate "45" pre-mix. In feed tests under average farm conditions, total feed costs for putting 100 lbs. of gain on a hundred pound shoat averaged from $7.67 on pasture to $9.82 on dry lot.

Using Pork Magic pre-mix with corn alone, total feed costs per hundred pounds of gain were $7.64 on pasture, and only $9.72 on dry lot. If these low costs look good to you — remember that Foxbilt guarantees to cut costs compared with any other feeding method, or to pay you the difference. This guarantee applies only to Foxcentrate "45" and Pork Magic. Get the facts Now! Ask your Foxbilt dealer or representative, or write Foxbilt Feeds, Des Moines, Iowa, TODAY!

MEAT-TYPE BOARS FOR LEASE

Increase the performance of your herd and get true meat-type blood into your herd by leasing Minn. No. 1, Minn. No. 2, Mont. No. 1, or In-Cross boars from Foxbilt. If you were to buy them, these boars would cost you around $225 each. You can lease them for a cash outlay of only $3.75, and there's no risk to you. If the boar dies, it's Foxbilt's loss. For complete information on meat-type boars, write Dr. Williams Hugh, Foxbilt Feeds, Des Moines, Iowa. (Advertisement)

You can iron with your dryer

FOLD FLAT, finger press and stretch—Mrs. Loyd Spilman, Cerro Gordo county, Iowa, uses her dryer to reduce her work at the ironing board.

MRS. LOYD SPILMAN of Cerro Gordo county, Iowa, has found that one of the important advantages of her dryer is that she can control how dry the clothes will get. You too, can use your dryer to reduce work at the ironing board.

It's steam that does the main part of your ironing job—steam created as the hot iron goes over damp clothes. Use the steam already in the clothes taken from the dryer before they become completely dry. Fold flat; finger-press, and stretch—let steam do the rest.

Remember when you discovered you could "iron" a hair-ribbon by wetting it and letting it dry stretched on a smooth surface? This is the same idea.

Sheets, linen towels, place-mats, pillow cases, even bulky tablecloths, should come out of the dryer before they are dry.

Fold while still warm, and the steam left in will press them just as smoothly as an iron could. If sheets are reluctant about getting dry, fold them the long way. Let the folds "set" smooth on a flat surface, and then complete the drying folded over a hanger.

Contour sheets can be smooth too if you take the time to fold corners into each other and flatten in folds.

Cotton knit T-shirts, underwear, and cotton or rayon slips will shake out wrinkle-free while still slightly damp. Fold them to finish drying while smoothed out.

The top of your dryer is ideal for this lazy ironing because it is warm and hastens the drying of the clothes. If you need more flat space, you might consider building a simple drop-leaf shelf on a wall near the dryer.

Work pants, overalls, work shirts will look much smoother if you take them from the dryer about five or 10 minutes before they would be completely dry, and fold out on a flat surface. Press seams and creases flat with your fingers. Wrinkles that won't come out 'til the next wash will be set in the garment if you dry it completely.

HANG DRESSES UP

Cotton work dresses, blouses, children's dresses will be almost wrinkle-free if you hang them up before they get dry. Pull the seams gently. Pat pockets, and finger-press the collar. You may want to iron the collar, belt and pockets for an extra finish, but the main part of the dress will probably need no ironing.

This is the way you definitely should handle cotton clothing which has been specially treated to dry without wrinkles, but try this method on all your dresses to see how much less ironing you need to do.

It's handy to have a rack in the utility room where you can put these clothes so they'll dry hanging free. If you have any clothes of the man-made fibers and the instructions tell you to drip-dry, then put a metal tray under your rack to collect the water.

CORDUROY TOO

Corduroy garments should also come out of the dryer before completely dry. While still slightly damp, the seams can be finger-pressed smooth. If you let the clothes get dry, the ironing you'll have to do may spoil the fluffy appearance of the cords.

Woolens will shrink if they get dry. Socks, blankets and sweaters should be shaped while still warm and moist, then allowed to dry at room temperature.

Starched clothing should not be completely dried. The starch flakes off the clothes if they are tumbled while dry.

When slightly warm and damp, they can be ironed easily without sprinkling. If you can't iron immediately, fold neatly, and put in a plastic bag. In hot weather, keep this bag in refrigerator.

DO YOUR OWN RESEARCH

Set the dryer time-clock to the earliest time the clothes can be folded damp and still get dry within a few hours. It takes some experimenting before you find the right moment. The size of the load you're drying, the amount of water left in after washing and the kind of clothing makes a difference.

About 20 minutes drying time might be the point from which to begin experimenting. When the dryer stops, remove the items you want to fold, and finger-press. Start the dryer again to complete the drying of the rest of the clothes.

Don't let your clothes get too dry. It's hard on them. It sets many wrinkles, and it wastes your time. Stretch and smooth clothes while they can be shaped, at that wonderful steamy stage available to you only by using a dryer.—Ruth Webber.

Country air

AS I write, a small bouquet of lilies-of-the-valley drenches my room with delicate perfume. By the time you read this, you may be swooning under the heavy perfume of lilac and syringas . . . or maybe a first cutting of alfalfa.

There's one odor this generation of farmers will not become familiar with . . . . a horsebarn . . . . replacing it are the fumes of the tractor exhaust . . . . only the animals producing the organic matter will have been dead many centuries before they become fuel . . . . a different odor for each barn—horses, cattle, sheep, hogs — none of them classed as delicate.

Pollen has many fragrances . . . . most of them a bit unpleasant to me . . . . I don't have any pollen allergies either . . . . an oats field has a particularly irritating odor that lingers long in the straw stack . . . . corn pollen smells different in sunshine and at night . . . . damp weather makes the fragrance of some flowers doubly lovely . . . . peonies for instance . . . . dry weather has its own disturbing odor . . . . maybe because it's psychologically connected to our unconscious worries about drouth. . . .

A crisp fragrance of the first below-zero winter morning that stings your nostrils shut . . . . a small boy's cheeks fragrant from wind tossed snow drifts . . . . a husband's cheeks fresh from outdoors willing to trade their masculine fragrance for the aroma of hot coffee and pancakes . . . . bread baking smells different on the farm . . . . because there you bake it for men and little children . . .

Roses—well, if you must, but just as they look like lithographed calendars they smell like anybody's idea of perfume . . . . the bloom of the white Hosta lily smells much like the mountain trailing arbutus . . . . wild flowers have the fragrance of a very clean little girl . . . . fresh hay in the mow has quite a different fragrance from new mown clover in the fields. . . .

A sudden invigorating fragrance in a spurt of spring rain on an April night . . . . the surprising dusty odor of rain across a cornfield when you've been too busy in the house to notice the clouds coming up . . . . whatever does a very young puppy smell when he has had no previous experience with spring. . . .

The tantalizing odors of ham or bacon frying . . . . green peas . . . . tomato vines . . . . sticky odor of molasses for cattle feed . . . . strawberries . . . . what does a dog try to identify when he smells and smells of a box of cheeping baby chicks . . . . will we ever use exterminator enough so that the odor of granaries won't keep us in a state of apprehension . . . .

Fragrance, smells, odors, aroma and stenches have a seasonal progression . . . . sweet clover seed just delivered from the seed house is almost nauseating . . . . a potato bin can tell it's spring . . . . how else could it smell that way . . . .

Most elemental odor—black sod overturned in the spring . . . . it wakens primitive urges . . . . a heady and mysterious fragrance . . . . stirs dreams to life . . . . its fragrance when distilled thru moisture has a pungent promise of fertility . . . . has it smelled so all thru the ages . . . . does it smell the same in Thailand as it does in New England . . . . in Ethiopia as it does in Iowa?—Elizabeth C. Wherry.

MOVABLE BAR or "island" in the middle of a large kitchen saves many steps for Mrs. Erwin Kunz, Muscatine county, Iowa.

GARY HADLEY AND RITA RYKEN of Hardin county, Iowa, model the square dance costumes they will wear in the fashion show at Eldora on June 21 and 22. Gary is county president of the boys 4-H clubs, and Rita is president of the girls clubs.

MRS. MABEL OBENCHAIN, manager of the Chicago office of the Famous Feature Pattern Syndicate, will be in charge of the style show that will feature local people as models.

MISS JEWEL GRAHAM, nutrition specialist at Iowa State College, is well known to Iowa people. She will be in charge of the cooking school in the Youth Auditorium in Eldora in June.

Field Days program to interest entire family

Plan to be at Eldora on June 21-22

by **Zoe Murphy**

IN PLANNING the woman's program for the Farm Family Field Days that are going to be held at Eldora, Iowa, on June 21 and 22, I wanted a program that would interest as many farm women as possible.

I knew from my visits in farm homes over the state that most women are interested in kitchens. If they are planning to build new houses, of course, they are interested. If they plan to remodel their present kitchen, they are interested. And every woman who doesn't fall into either of these two classes, always has hopes.

So I knew that any exhibit that had anything to do with kitchens would interest women.

The new Youth Building at Eldora was a perfect setting for a brand new kitchen. The building has just been completed and was waiting to be equipped.

A lot of experts from various companies were interested. We drew up plans for the arrangement of the equipment.

Various manufacturers offered to supply the equipment, and presto! we had a permanent kitchen.

No—wait a minute; it wasn't that easy. Jane Primus, county extension home economist in Hardin county, first drew up plans for a model farm home kitchen. Then we felt sure that we were missing a good opportunity. After all, this really was a community kitchen and would be used for many years by the folks in Hardin county. Lots of other communities are interested in church and community kitchens.

So we worked our plans over again. We got help from experts at Iowa State College, and we came up with a model work-saving farm kitchen. But we drew up plans whereby this smaller kitchen can be easily expanded into a convenient, community kitchen.

Come, and see this kitchen with its colorful equipment. You may get ideas for your own kitchen or for the one your church is planning to install.

But that wasn't enough. We needed a program for the stage in the auditorium. Everything we planned called for kitchen equipment on the stage. Jewel Graham, nutrition specialist at Iowa State College, agreed to put on a cooking school—she needed a kitchen for that.

Rose Brister of Monsanto Chemical Company agreed to put on an exciting washing program that called for laundry equipment. That meant that we would have to have almost a complete kitchen on the stage.

Well, we got that, too. What you don't find to interest you in the permanent kitchen, you'll get a chance to see on the stage.

What else would interest women, particularly the younger ones? Why, clothes, of course.

So we contacted the company that designs and produces our patterns. Yes, they were interested in a fashion show using local women and girls.

So way last winter, new designs were selected, matched with the newest spring fabrics and made up into lovely summer outfits. Local clubs in Hardin county are nominating candidates for this fashion show. Mabel Obenchain from Chicago will have charge of the fashion show that will wind up the program twice each day.

Come and bring your notebooks—recipes will be handed out but there will be a lot of pointers you'll want to take home with you.

Don't miss this show! Remember it's June 21 and 22 at Eldora, Iowa. Bring your family and your neighbors.

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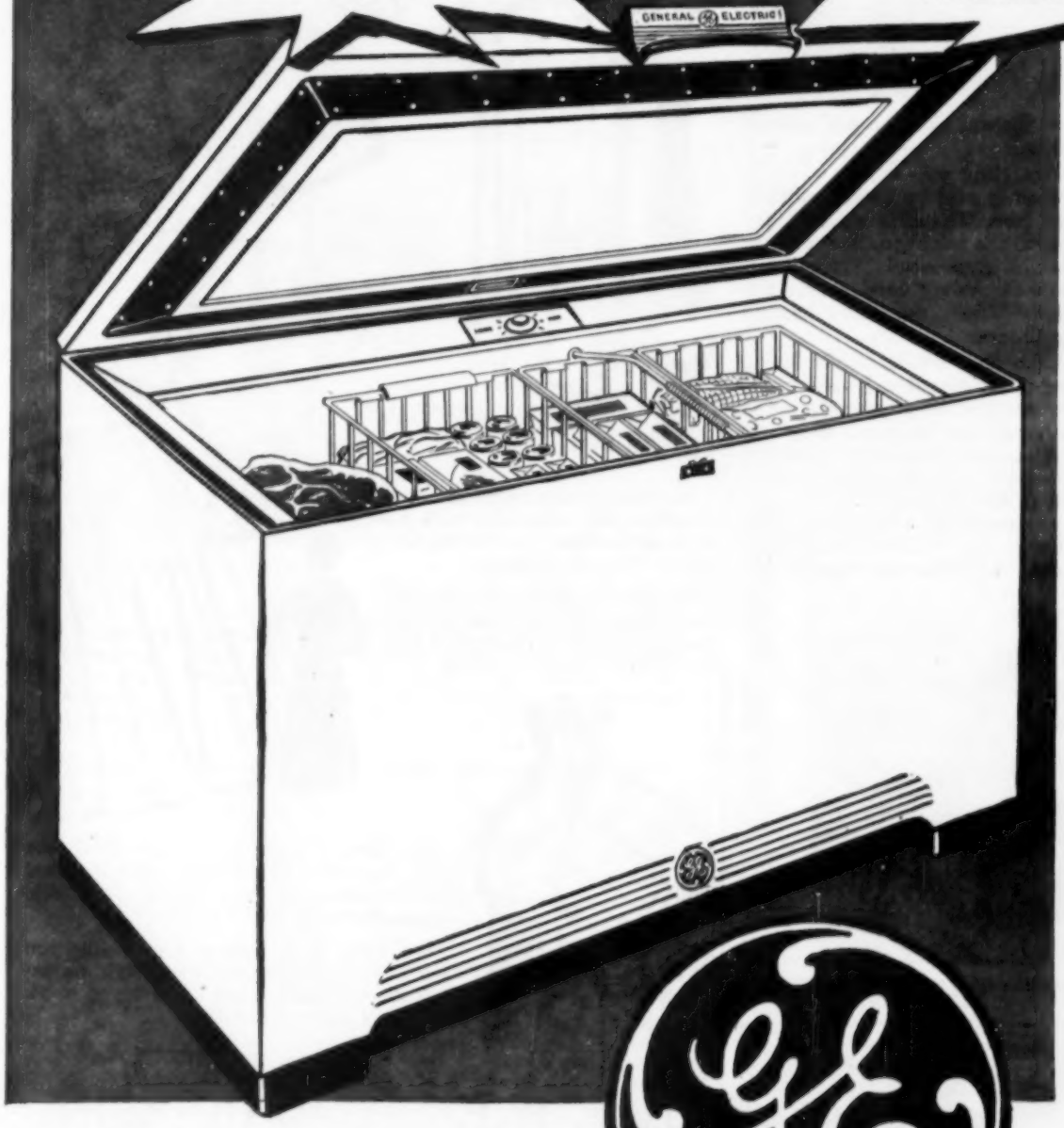

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MEET HENRY SENG:

He's an old hand at irrigating... and at cheering up "long faces"

IT WAS twenty-six years ago that Henry Seng first gripped an irrigation shovel and began to discover the trials and rewards of an irrigation farmer.

In 1943 Mr. Seng moved to his present 200 acre farm north of the Platte River in Morrill County, Nebraska. He's now irrigating 70 acres of sugar beets, alfalfa and corn.

His irrigation is by gravity flow with a system of ditches and gates to control direction and rate of flow. Plastic siphon tubes are used to irrigate row crops.

Most of the alfalfa is fed to the 70 head of cattle he raises yearly. Beets are sold on contract and processed at Bayard, Nebraska.

You might say Mr. Seng follows his beets almost to market. From October to Christmas each year he is boiler house foreman at the beet processing plant.

The Sengs have a son living in Illinois, another farming nearby and a daughter living in Oregon. At home are 16-year-old twin daughters Carol and Carolyn.

To keep their farm business running smoothly, Mr. and Mrs. Seng rely on the many telephone calls they make and receive. The telephone also helps raise their spirits when they are lonesome for their distant children and grandchildren.

Mrs. Seng puts it this way: "I get lonely and go around with a long face. Then Henry politely goes to the telephone and puts in a long distance call. Pretty soon we're all feeling good again. It's wonderful — almost like having the children home."

Like the Sengs, you'll find a long distance call to loved ones is a heartwarming pepper-upper at both ends of the line. Why not make a surprise call this evening? Rates are lowest nights after 6 and all day Sundays. Call by number — your call will go through twice as fast. NORTHWESTERN BELL TELEPHONE COMPANY.

Henry Seng gives Mrs. Seng his treatment for a "long face."

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Sew for summer

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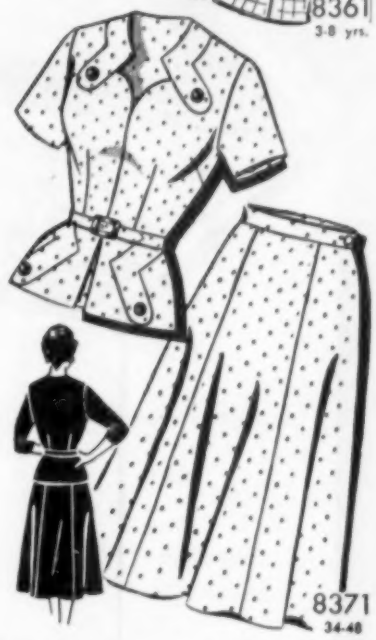
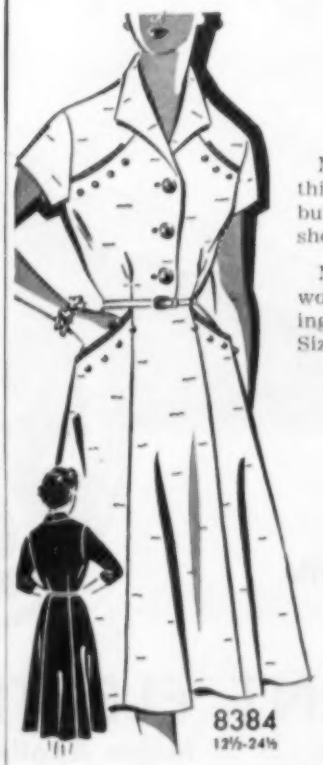
No. 8070. Simple, easy to sew sheath to sew without or with a crisp collar. Sizes 12 to 20; 40, 42. Size 14, 3 yards of 39-inch.

No. 8371. A softly tailored two-piece dress in sizes that flatter the mature figure. Sizes 34 to 48. Size 36, 5½ yards of 35-inch.

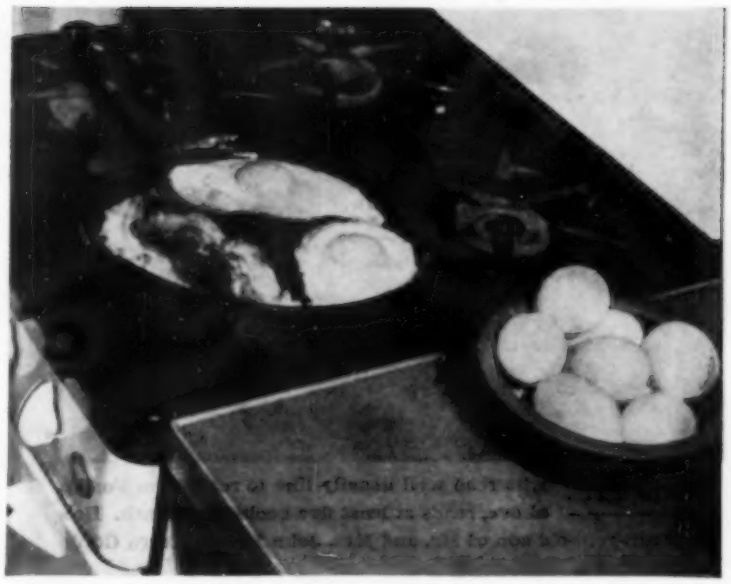




No. 8384. If you're not so tall—you'll like this handsome shirtwaister with unusual button trim. Sizes 12½ to 24½. Size 14½, short sleeve, 4⅝ yards of 35-inch.

No. 8375. Look neat as a pin while you work in a slimming collarless style featuring slanted detail. Sizes 14 to 20; 40 to 44. Size 16, 4 yards of 35-inch.

Patterns are 30 cents each, coin preferred. It's time to order the 1956 ALBUM of NEEDLEWORK. It also costs 30 cents. Address your orders to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. Allow 10 days for delivery.



High quality eggs are appetite pleasers at any meal of the day. Eggs can be served in many ways for breakfast, dinner or supper. About 20 percent of the eggs produced in Iowa are consumed in the state. The rest must find a market outside the state.

The farm flock

EGG PRODUCTION on Iowa farms in April totaled 460 million eggs, according to the Iowa Crop and Livestock Reporting Service. This is five percent less than in March this year and in April, 1955. April total is six percent below the 1945-54 average of 491 million eggs produced during April.

▼ ▼ ▼

IOWA FARM FLOCKS averaged 1,956 eggs per 100 layers during April. Farm flocks in the U. S. averaged 1,840 eggs per 100 hens during April.

▼ ▼ ▼

TOTAL EGG production in the U. S. was one percent larger the first four months of this year than during the same period of 1955.

▼ ▼ ▼

LAYING FLOCKS on Iowa farms were four percent smaller in April this year than last year. This would account for the five percent drop in total egg production.

▼ ▼ ▼

EARLY PULLETS will soon start to lay. Move them into the laying house even if the old hens are laying well. You could move the hens to temporary quarters in the barn, machine shed or any other building that's vacant.

▼ ▼ ▼

DOES IT PAY to cull a laying flock? Some poultry specialists are saying "no." Their argument is that if you have good hens that were bred for high egg production they should maintain profitable production for 18 months. And, if you cull out a hen, the space is wasted. It's their argument that the hen will usually come back in production within a short time and continue to lay at a profitable rate for several months.

▼ ▼ ▼

ANOTHER ARGUMENT against culling the laying flock is the cost of producing replacements. It now costs about a dollar more to produce a pullet than it did several years ago. Up to laying age, pullets cost up to $2.25 each. And when you sell the hens, you get much less than several years ago. So you lose on both counts. But if you leave the hen in the flock, she may come back into production for several months.

▼ ▼ ▼

DEBEAKING PULLETS is a good idea if you have trouble with cannibalism. Many Iowa poultrymen debeak their birds and report very satisfactory results. Commercial debeaking machines are available.

▼ ▼ ▼

SOME EGGS which have specks or small spots of dirt, litter, etc., are graded B eggs. But many of these eggs would grade large grade A if cleaned. Many of the eggs could be cleaned very easily with an emery cloth. The difference in price was about 16 cents per dozen last fall. Use the real dirty eggs at home, and clean the others for best prices.

▼ ▼ ▼

EXTRA NESTS in the laying house may give you more clean eggs and fewer checked eggs. Change the nest litter often to prevent it from matting and getting dirt on the eggs laid in the nest.

▼ ▼ ▼

SOME LAYING HOUSES are being built without windows. Artifical ventilating system is used to keep hens cool in summer and warm in winter. Such houses must also be insulated.

▼ ▼ ▼

HOT WEATHER is hard on hens. They can't cool themselves by sweating like other animals. Hens must wear their feather coat in the summer as well as winter. Keep hens as cool as possible on hot days. Open all windows and doors to create cross ventilation. If temperature gets above 100, you may have to turn the hens out. But provide shade for them and cool water.

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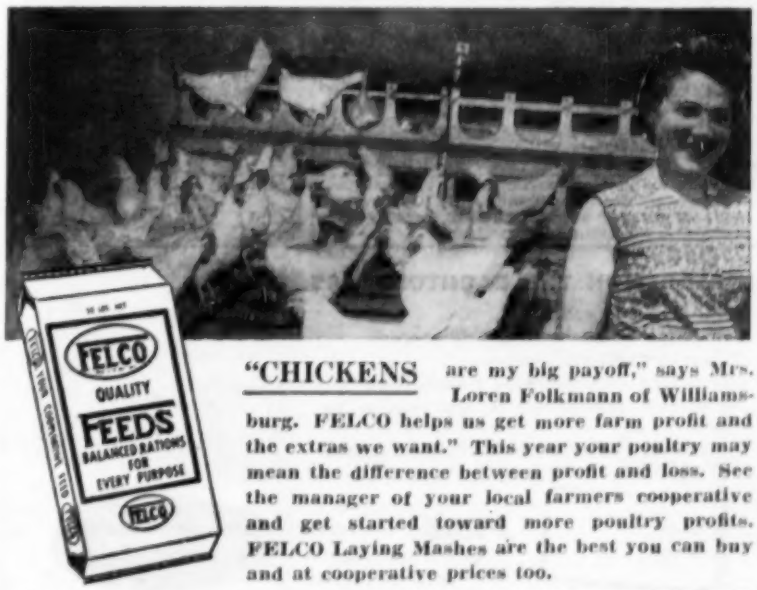

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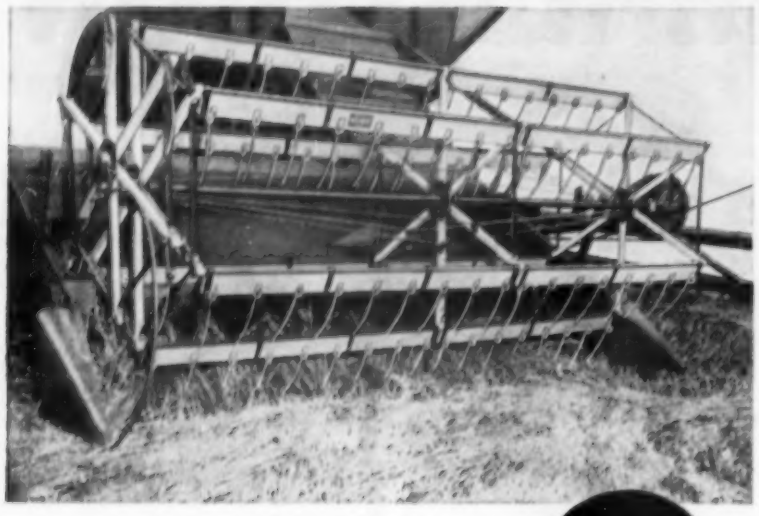

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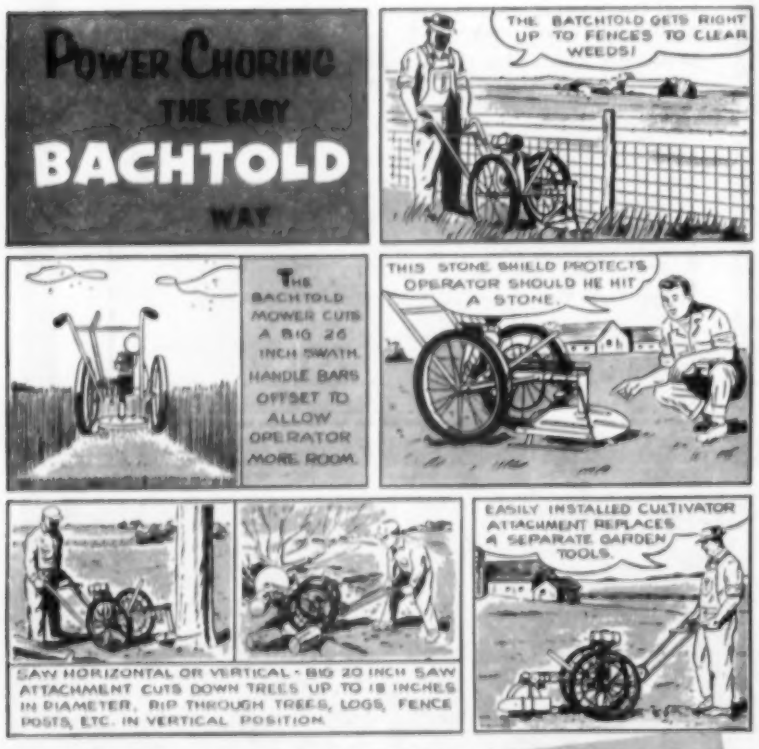

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Youngsters who read well usually like to read. Tim Foster, above, reads at least five books per month. He's the eight-year-old son of Mr. and Mrs. John Foster, Cerro Gordo county, Iowa.

How teach 'em to read?

About 76 percent of Iowa's farm folks think their children can read and spell as well or better than children of a generation ago.

But some disagree. And they blame new methods of teaching.

That's according to a Wallace-Homestead Poll reported in the May 5th issue. Here's further comment by two readers.

Defends new method

To the Editor: I was interested in your article, "Can't read or spell."

I must say I was surprised to hear blame being placed on the lack of phonics. It is true, we do not use the old "spit and choke" method of phonics. But we have something better.

As a second grade teacher, I have set up my reading program using the following teaching techniques in developing children's word perception power:

1. Context or meaning clues.
2. Words form clues.
3. Structural analysis (root words, prefixes, suffixes).
4. Phonic analysis (initial and final consonants, consonant substitution and consonate blends).

The children know and apply the following vowel rules in working new words:

1. Short words not ending in "e" usually have a short vowel sound.
2. When two vowels are together, the first usually is long and the second silent.
3. Short words ending in "e," the vowel usually is long and the final "e" is silent.

They also know the sounds of the "r" and "l" controlled vowels, as well as the sound of "tion," "ight," "ture," etc.

I honestly believe if any school system uses the new Scott Foresman Readers and follows the teaching techniques given in the guidebook, children will be given more usable phonics than parents received.—**Mrs. Doris Jacobsen, Harrison county, Iowa.**

Faults new method

To the Editor: Your survey was interesting. But the conclusion reached does not represent the true facts.

Just put a reader of a generation or two ago in the hands of today's student. There is no doubt, our children can't read and spell today as well as a generation ago.

The present word-method of teaching reading is largely to blame. With this method, vocabulary must necessarily be very limited. Consequently, curriculum standards have had to be lowered. Thus, we find colleges today giving special non-credit courses to freshmen to prepare them for college subjects.

Our alphabet is a phonetic alphabet. All of our words are composed of some 44 sounds resulting from that alphabet. Since reading is interpreting those sounds when printed or written, if a child were taught the sounds he could read or spell any word for himself. And how much easier than teaching hundreds of "new" words!

Abraham Lincoln educated himself after only a few months of schooling. But in those few months, he was taught to read and spell phonetically. Could any child today do the same?

Oh yes, I know our schools teach phonics—out of a workbook used as silent seatwork! But you can't learn sounds unless you both hear them and see letters make those sounds.—**Mrs. Richard Moore, Keokuk county, Iowa.**

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Outside stuff

THE Iowa State College research on enzymes for baby pigs—reported on page 42—could be important to a lot of folks besides hog raisers. At least that's the present thinking of Dr. Damon Catron, college swine nutritionist.

Catron believes it may apply to feeding of many young mammals—including human infants.

"A careful review of the literature, altho somewhat confusing, would indicate that human infants, especially premature infants, are short of digestive enzymes," Catron says.

• • •

APPARENTLY, some of the farmers in Union county, Iowa, are hustling their lambs to market weight. A total of 438 spring lambs were taken to the lamb grading demonstration last week in Creston.

Best news was that 330 of the lambs went into the "blue" or choice class. These choice lambs averaged 89 pounds per head. And packer buyers paid an average of $25.50 per hundredweight for the 330 lambs.

• • •

A FRIEND of mine who writes for a national farm magazine in Canada reports that total snowfall was 99.3 inches during the last winter in the vicinity of Winnipeg, Canada.

That was a new record. And it was more than double the average winter snowfall for that area. Result: Devastating floods during the month of April in the province of Manitoba.

Bet you knew nothing about those floods. I didn't—until I read the article. And again I was reminded that most of us pay relatively little attention to what's happening in Canada. Canadian newspapers and magazines, on the other hand, frequently report on U. S. agriculture, business and politics.

—Dave Bryant.

Play It Safe!

Call the doctor
Without delay;
Short ventilation,
Long on spray.
—Beth Wilcoxson

"...practically overnight the scours seemed to STOP!"

Mr. Orville Gallington of West Terre Haute, Indiana, found that adding CSC's Baciferm-PB to the regular feed saved his swine from severe scouring damage. His 60 pigs had gotten off to a good start. But one morning a few were scouring and soon 16 pigs were affected – two had to be killed. Mr. Gallington began using Baciferm-PB and "practically overnight the scours seemed to stop." In less than two weeks, he could see his pigs beginning to fill out.

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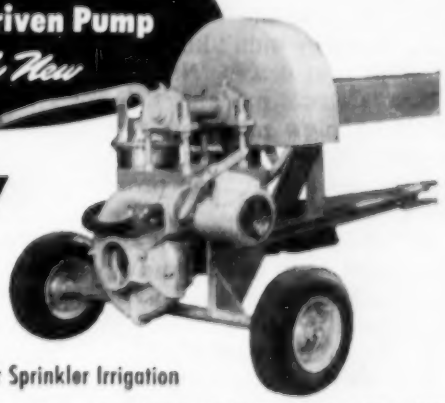

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"Frankly, we think this discovery is a bench mark for all future baby pig rations, whether pigs are weaned early or left on sows. It looks like the biggest development since the discovery of antibiotics."—Dr. Damon Catron

Baby pigs short on *Enzymes!*

Cost of baby pig feeds can be reduced by addition of pepsin

PIGS under five weeks of age don't have enough digestive enzymes to break down vegetable protein.

But if pepsin, a protein-digesting enzyme, is added to the ration, pigs grow almost as fast on vegetable protein as on milk protein. That's providing the ration is otherwise well balanced.

These discoveries—announced last week by the Iowa State College swine nutrition staff headed by Dr. Damon Catron—point the way to cheaper baby pig feeds.

Soybean oilmeal now can be substituted for higher-priced milk protein in pre-starter and starter feeds.

In the past, hog raisers have known that milk was the best food for baby pigs. But they didn't know exactly why —except that it was "Nature's way."

Now Catron explains: "Apparently the baby pig's mild digestive enzyme system is capable of breaking down milk protein, but not soybean protein during the first five weeks."

ISC Pre-Starter "75" contains 40 percent dried skim milk. And up to now, Catron has recommended 20 percent skim milk in starter feed for weaned pigs under five weeks old.

But recently completed tests indicate that, with the addition of an enzyme, soybean oilmeal can be substituted for at least half of the higher-priced milk protein.

That would cut the cost of pre-starter feed by about 25 percent—or about $60 per ton, Catron points out.

In fact, it may be practical to substitute soybean oilmeal for all of the milk protein in baby pig rations. That was done in experiments conducted by Catron's staff.

Pigs weaned at one week and placed on an enzyme supplemented vegetable protein ration which contained no milk showed gains and feed efficiency 84 percent as good as pigs on pre-starter with 40 percent skim milk.

And when pigs were weaned at two weeks, gains and feed efficiency on the enzyme-vegetable protein ration were 91 percent as good as on the high milk ration.

Those results occurred when pepsin was added to the ration at the rate of five pounds per ton. And when the ration contained sweet dried whey to provide lactose (milk sugar).

Addition of enzymes can be helpful to baby pigs whether weaned early or nursing sows, Catron says. In either case, extra enzymes are needed to make best use of the vegetable protein in starter or creep feed.

Adding enzymes to corn-soybean oilmeal rations for baby pigs increased gains an average of 17 percent. And feed efficiency was boosted an average of 14 percent. Those results come from 20 college experiments involving more than 1,000 pigs.

This means that addition of enzymes might improve results from feeding starter feeds now used by many hog raisers.

"We also have found that adding enzymes helps scouring pigs in both growth and feed efficiency," Catron reports.

His explanation: When pigs are scouring, food passes thru the digestive tract so rapidly that enzymes don't get much time to work on it. But if more enzymes are added, more of the food is digested before it leaves the pig.

The college research also shows that baby pigs don't have enough enzymes to break down starches from grains until they're about four weeks old.

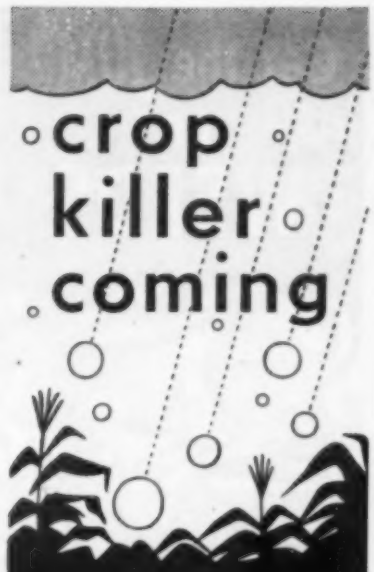
This, in combination with the lack of enzymes to break down vegetable proteins, explains why some hog raisers have had poor results in trying to wean pigs at less than five weeks on ordinary pig starters which are high in grain, mill feed, soybean oilmeal and animal proteins like meat scraps, Catron says.

Many different enzymes were tested in baby pig rations at the college. But pepsin appears most effective. This is a protein-splitting enzyme that can be taken from the stomachs of hogs slaughtered in packing plants.

"It appears that feed manufacturers will be using enzymes in baby pig rations in the near future," Catron says.

Pigs at left were fed a balanced ration containing 40 percent dried skim milk.

Pigs at right were fed a ration in which soybean oilmeal, enzymes and lactose (milk sugar) replaced the dried skim milk. Photos courtesy of Iowa Agricultural experiment station.



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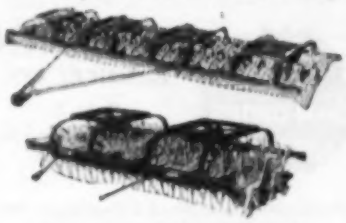

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". . . Now this chapter here . . ."

Wallows Help Pigs Gains

Pigs that can keep cool in a wallow will gain faster and more efficiently.

S. W. Terrill, swine specialist at the Illinois College of Agriculture, points to tests made at the Louisiana experiment station where hog wallows saved 35 pounds of feed for 100 pounds of gain.

In a 73-day feeding period, pigs with no wallows averaged 1.46 pounds gain per day and ate 376 pounds of feed per 100 pounds of gain. Pigs with access to wallows gained 1.80 pounds per day and needed only 351 pounds of feed per 100 pounds of gain.

In this Louisiana test, pigs would cool off in the wallows, then eat at the self feeders. Pigs without wallows stayed in the shade and ate very little between 8 a.m. and 5 p.m.

Get Bull That Gained Fast

Rate of gain on calves and efficiency in use of feed are highly inheritable, according to Missouri feeding tests.

And fast gaining tendencies are independent of beef type or conformation, say the cattle specialists. So it may be that the rather rangy animal will gain as fast and use feed as efficiently as the accepted blocky type of animal.

These results confirm tests at other experiment stations. Same conclusions have also been reached at the U. S. Department of Agriculture Range Cattle Experiment Station at Miles City, Montana.

So buyers of beef bulls should consider the weight of the bull calf for his age. If he's been fed well but is small for his age, he may not sire those fast growing calves that you want.

Gather Eggs In Wire Basket

What's the advantage of using a wire basket in gathering eggs?

Fewer eggs get broken in wire baskets. But if you fill a basket with eggs, you can expect some cracked eggs. Never fill basket more than half full.

Eggs will cool faster in wire baskets. In fact, it takes twice as long for eggs to cool in a pail and four times as long in a case as in a wire basket.

USE REASONABLE rates of field travel, says a Clay county, Iowa, farmer. Reduces breakdowns as well as safeguards the operator.

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I WAS JUST FIGURING...

—by Cy Watkins

Heard a joke the other day on the radio. Maybe it was Charlie McCarthy who said, "What'll we do with our butter when the roll is called up yonder?" I've been chuckling at that for days.

Here's a little contest for you dairymen.

When is the average dairy cow fed best? That is, among average herds that get fairly good care, when do they get the best nutrition?

——Winter, when they're in the barn.

——Summer, when they're on fairly good pasture.

I suppose there'll be a lot of folks who'll want to argue, but the horrible truth is that the average cow gets the best nutrition in winter in the barn.

The reason for it is that many, many good dairymen think that good green pasture will cover a "multitude of sins." In the winter, a dairyman makes sure his herd gets plenty of carbohydrates, proteins, minerals, vitamins and water . . . in proper balance. But in the summer, when proper feeding is easiest, he puts them out on pasture and figures that cows were made for grazing and that nature will protect the "wolking goil" . . . so to speak.

If I was a table pounder, I'd be pounding the table right now . . . but since I'm not I can only say it straight and serious. **PASTURE ALONE IS NOT ENOUGH TO GET THE BEST OUT OF A MODERN HIGH-PRODUCING COW.** That's true of at least 90% of practical farm situations.

For an example, let's take an 1100 lb. cow producing 40 lbs. of milk a day and see how much T.D.N. she needs and how much she gets from pasture. (T.D.N., that's Total Digestable Nutrients.)

She'll need 8 lbs. of this T.D.N. for body maintenance. She needs 3/10th lb. T.D.N. for every pound of milk . . . or 12 lbs. a day (3/10 times 40.) **So she needs 20 lbs. of T.D.N. a day** to maintain her body and make 40 lbs. of milk.

Now where'll she get this 20 lbs. of T.D.N.? Well, an excellent alfalfa-brome pasture is about 15% T.D.N. Under good grazing conditions she'll eat about 100 lbs. of this pasture per day. **So she'll be getting about 15 lbs. of T.D.N.**

THAT LEAVES HER 5 LBS. SHORT.

The difference is either gonna come off her body or out of the milk cooler. And remember, we're talking about better than average conditions . . . excellent pasture.

OK, what's the answer? Feed her dry hay in the pasture and concentrate in the barn! A cow like we've been talking about will need about 4 lbs. of grain and a ½ lb. of Watkins dairy supplement formula to make up the difference . . . **more** if the pasture isn't good.

You mix the Watkins dairy supplement out of less expensive "local" proteins and Watkins Min-Vite for Stock. The Min-Vite supplies the extra minerals, vitamins and efficiency factors . . . and for only pennies a day.

Believe me, this little extra "push" costs very little. And it's really worth the doing . . . in extra milk and healthier cows. Talk to your Watkins Dealer about his summer dairy program.

The J. R. Watkins Co., Winona, Minn.

Farm and feedlot

How To Get Clean Mowing Job

If you want a clean job of mowing, don't pull the mower too fast. Here's why:

Top limit for pitman speed is usually about 1,000 revolutions per minute. Anything over that produces too much vibration.

When the knife slides across the ledger plate, up to three inches of forage is cut. That means about six inches per revolution.

So the mower would cut a maximum of 6,000 inches per minute. That's about five and a half miles per hour.

For clean mowing, the tractor must move no faster than that. If it does, you get a ragged cut because some of the forage must slide uncut under the sickle.

For tractor mowers, both the sickle speed and the forward speed of the tractor depend on the throttle setting. So it is up to you to use the proper transmission gear to balance cutting speed with forward movement.

The operator's manual gives you a guide on this. When it recommends third gear at full throttle, fourth gear at part throttle won't do. Sickle speed is reduced while forward movement stays the same.

Stalk Rot Hurts Corn Yields

Stalk rot is one of the worst corn diseases, say Minnesota crops specialists.

It's caused by an organism that lives from one season to the next on seed corn, dead plant materials and in the soil.

Greatest damage to corn occurs when the disease develops in the stalk near or under the ground. Nutrients are prevented from moving up the stalk to the ear. And the stalk may eventually break over.

No methods are known which will completely prevent stalk rot, say Minnesota experiment station men. But there are some practices that will reduce damage from the disease.

A good crop rotation will check the disease. A thoro job of plowing under infected stalks will also help. And corn borer control is important because the organisms may get started where borers have made holes in the stalks.

It's also important, say crop specialists, to plant varieties of corn that are resistant to the disease.

Drain Antifreeze From Engines

You should drain antifreeze solution from car and tractor engines, says Dale Hull, agricultural engineer at Iowa State College.

Corrosive acids build up in the antifreeze solutions during the winter's use, says Hull, as rust inhibitors are used up. Then the weakened solution becomes highly corrosive.

Adding fresh rust inhibitor is only a temporary answer, since it can't entirely get rid of the corrosive action.

Best bet is to drain and throw away all types of winter-worn antifreeze solutions, Hull advises. Then check the cooling system for leaks and wear.

Finally, add fresh water and a chemical rust inhibitor.

A cooling system filled with old antifreeze often fails to cool an engine properly during hot weather, Hull warns. Overheated engines may lead to scored cylinders, or burned valves.

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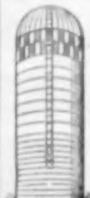

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"She going thru a phase?"

Rural Route Ramblings

By R. F. D.

I WAS GOING to make this my annual Helpful Hints to the Amateur Gardener column. But after looking at my agricultural results, I believe the less said about gardens, and especially mine, the better.

A POLICEMAN FRIEND of mine recently purchased one of those tiny foreign made cars.

HE WAS quite proud of the new car until the other day when he stopped at a stop sign and a big, diesel powered semi-trailer outfit pulled up beside him.

THE DRIVER looked down at him and in a falsetto voice inquired sweetly, "What else did your father get you for your birthday, sonny?"

MY FRIEND was doubly irritated because he wasn't in uniform so he could arrest the cad for something!

SPENT the weekend with a friend who had a 16-year-old son. While we old fogies went to the Shrine circus, he and his girl friend and another couple went to a drive-in movie.

THE NEXT morning at breakfast, we were discussing the events of the previous evening. "One thing for sure," the teen ager stated in disgust, "that guy last night had never taken a girl to a drive-in before!"

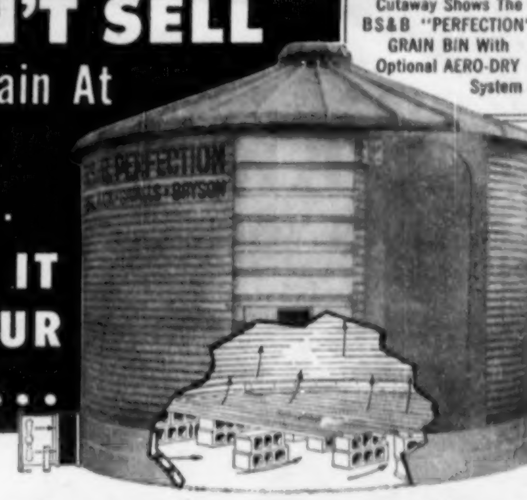
I SHOULD have known better, but in an unwary moment I asked, "Why?"

"HE WATCHED the picture!"

LEST WE THINK our children are the only ones who have brought on frustration, bewilderment and general nervous breakdowns, listen to what Socrates said about the small fry 2,000 years ago. . . .

"CHILDREN now love luxury. They have bad manners, contempt for authority and show disrespect for elders. They love to chatter in place of exercise. Children are now tyrants and not slaves of the household. They no longer rise when an elder enters the room. They contradict their parents, chatter before company, gobble up the food at the table, cross their legs and tyrranize their teachers."

DON'T SELL Your Grain At Harvest Time . . . STORE IT ON YOUR FARM . . .



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Without Risk For Top Market!

More than 500,000 farmers and over 25 agricultural colleges and experiment stations have already *proved* the soundness of storing grain crops on-the-farm at harvest time, rather than selling on a depressed market.

A large share of them prefer BS&B PERFECTION BINS for crop storage, and if drying is required—BS&B AERO-DRY Systems. They know that with PERFECTION it can be done at minimum cost and with maximum safety to the grain in storage. As a result, they are able to sell their crop at a substantially better price than it would have brought at harvest time!

Look What Happened To Oats in '55

Many farmers sold oats last June for as little as 55c a bushel—scarcely enough to pay for their seed, fertilizer and harvesting without considering a fair return on their labor and an investment of from $12,000 to $20,000 in farm equipment that it took to raise the crop to maturity!

Yet, not all the oat farmers found themselves in this predicament. There were many who refused to sacrifice their hard year's labor on a 55c market! They were the ones who took a Commodity Credit Corp. loan and put their crop into "on-the-farm" storage in BS&B PERFECTION GRAIN BINS to await a more favorable price.

This same successful marketing plan can be followed on soybeans, wheat, corn and other crops. Why not try it yourself? You may be very glad you did!

If you'd like to store your crop this year, but still need *cash* at harvest time, you can get not only the CCC crop loan but also a self-liquidating ASC loan to buy the necessary BS&B PERFECTION BINS and AERO-DRY Systems! Here is how it works:

PERFECTION GRAIN BINS	PERFECTION AERO-DRY
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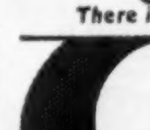

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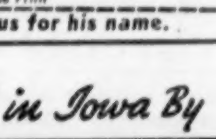

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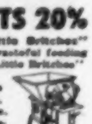

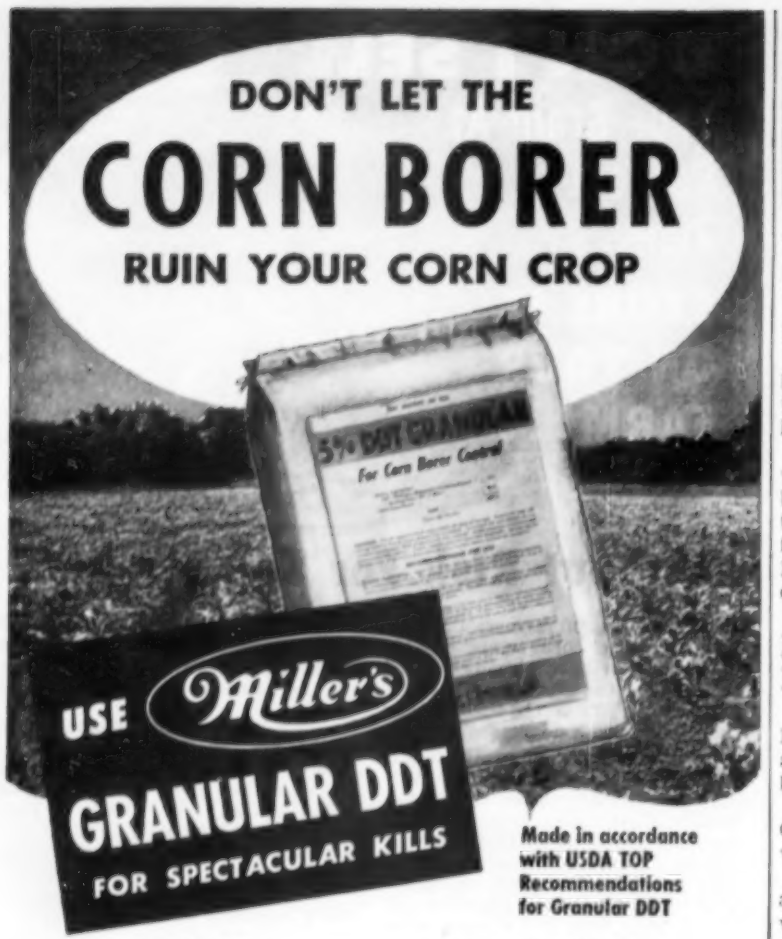

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5% GRANULAR DDT
30-60 mesh attaclay RVM-AA Granules

Are corn borer's going to eat your corn crop and cut profits? Don't let them. Plan NOW to use MILLER'S DDT Granules. In tests conducted by USDA at Ankeny, Iowa, 5% Granular DDT 30-60 mesh attaclay RVM-AA Granules gave better results than any other form of granular DDT. Don't be misled by other claims. Miller's GRANDULAR DDT is formulated as a 30-60 mesh attaclay RVM-AA Granules. Miller's Granular DDT forms a deadly barrier against the borer at the leaf whorl. Keeps the borer out of the stock. Kills on contact. It's the sure, safe way to kill corn borer. So why take chances with your corn profits. Use MILLER'S GRANULAR DDT for low-cost, effective control. See your dealer for a supply today or write for complete information.

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"FAST GAINS at low cost are the key to profits," says Vern Folkmann, assistant manager of the Conroy Farmers Cooperative. "These cattle of Allan Stanerson are fed FELCO 35% Beef Builder with Stilbesterol to get faster gains . . . and Mr. Stanerson gets extra profit in buying FELCO cooperatively." Check with the manager of your local farmers cooperative. That's the only place you can get FELCO.

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Voice of the Farm

The Lady Is Mad!

To the Editor: I am mad! And I have a perfect right to be.

I am mad at farm wives who buy vegetable shortenings while their husbands are marketing hogs.

If the men would yell at their wives to buy lard and butter for baking as loudly as they holler to the government to buy pork, it would do a lot more good!—Mrs. Harold T. Johnson, Houston county, Minn.

Doesn't Want Negro Neighbors

To the Editor: We do not want Negroes in northern Iowa. We are to be polite to Negroes . . . . but not mix with Negroes.

It is a SIN to mix; because if God had wanted us to mix, God would have made all of us white.

There is a reason why Negroes are black. But God, alone, knows why we are white and Negroes are black. Don't use my name.—X. X., Kossuth county, Iowa.

Hits At Negro Prejudice

To the Editor: Your poll affirms the statements of us freethinkers concerning Christian hypocrisy.

They claim to observe the so-called Golden Rule. They give cash to send missionaries to convert heathen lands (?), so they can also inhabit their mythical heaven. Then they refuse their Negro citizen his legal rights to enjoy "life, liberty and pursuit of happiness."

Is Russia any worse? Let Biblical believers (?) clean their own doorsteps!—Mrs. Marie E. Loomis, Van Buren county, Iowa.

He Sees Value In Benson's Counsel

To the Editor: If President Eisenhower should decide to hire a new secretary of agriculture, Mr. Benson should be kept around. Then when decisions are to be made, Benson could be consulted. If opposite action were taken, the farmer would eventually gain ground.—Emert Euken, Cass county, Iowa.

Play It Safe!

Ebenezer feels righteous;
He removed all the locks
Before discarding
This old ice-box.
—Beth Wilcoxson

Make a Note!

Don't miss seeing the Rotavated plot—you have heard about trash-mulch farming the ROTAVATOR way—now find out what it can do for you!

Corn Belt Farm Family Field Days
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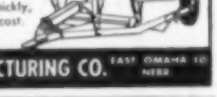

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LABAWCO PUMPS, Belle Mead 63B, New Jersey

"Would you mind opening your barn door? We're putting a highway thru it."

Says Ike Made Two Mistakes

To the Editor: I worked hard for Ike in '52, and will work much harder against him this year—his farm program being the main reason.

I drove to Kasson, Minn., in '52. And he sounded good. But he has worked against his speech ever since.

He made two mistakes in Benson. One when he appointed him; and again when he kept him.—Robert Zwoch, Redwood county, Minn.

Wants Victory For Farmers

To the Editor: We read in the newspapers about the farm battle being hailed as ending in another victory for Ike.

Why does Ike need all the victories?

Why can't we have a victory for the farmer once in a while?—Glen L. Rinehart, Hancock county, Iowa.

Wants Talk About Food Stamps

To the Editor: I'm glad that you spoke of the food stamp question . . . . Our presidential office seekers are careful to shy away from the subject.—M. McDonald, Minnesota.

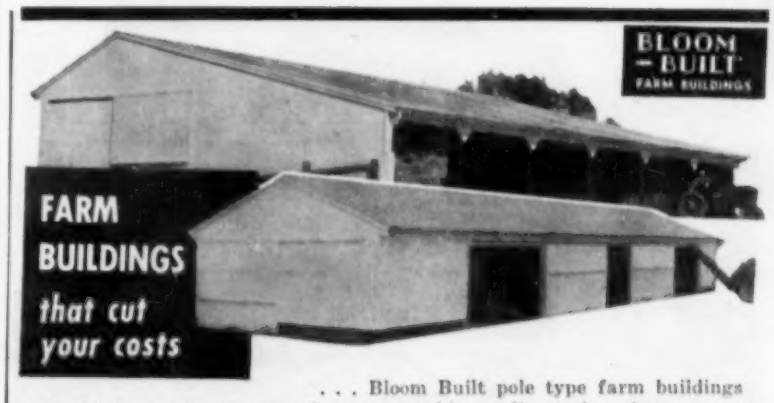
Southerner Speaks On Negroes

To the Editor: Polling your readers on how they would feel about having a Negro family on the nearest farm isn't the complete story. Ask them how they would like it if Negroes outnumbered the whites six to one, as they do in some Alabama counties.

Alabamians know that the basic objective of Negroes is intermarriage with whites. That's the main reason the Negro has encountered rejection wherever he has migrated in sufficient numbers.

Most Alabamians would appreciate it if you would sponsor a mass migration of Negroes to Iowa. You may be assured that a poll of your readers—10 years later—would reveal quite different results from the recent one.

We don't want our next generation rocking little kinky-headed grandchildren! And your 59 percent—probably 58 percent of whom have had no genuine contact with 100-percent Negroes—had better inform themselves while it's yet time.—G. B. Phillips, Alabama.



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With a Strawmaster on your combine you not only completely eliminate all your straw problems but you plow back the valuable humus and minerals to enrich your soil. Absolutely and unconditionally guaranteed. Write today.

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Please send full details on Strawmaster and name of nearest dealer.
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YES—You can fertilize with the nation's best newly developed fertilizers—

YES—You can plant the finest of hybrid seed—

BUT EVEN STILL—THERE'S ONLY ONE WAY TO BE SURE OF A TOP YIELD AT LOWEST COST—

Irrigate with CMC RAINMASTER Pumpers

In spite of normal rainfall—and even heavier than normal rainfall—crops are often seriously retarded and yields cut because of a lack of moisture at critical growing periods.

Avoid this danger — protect your fertilizer and seed investment—**BE SURE OF HARVESTING A MAXIMUM CROP EVERY YEAR** by installing a sprinkler irrigation system powered by a CMC RAINMASTER Pumper.

More and more Iowa farmers are using irrigation—NOT ONLY TO GUARANTEE THEMSELVES A GOOD CROP—BUT TO PRODUCE LARGER YIELDS THAN THEY'VE EVER HAD BEFORE. Many pay for their irrigation systems the first year!

CMC RAINMASTER Pumps run at lower operating speeds for pressure developed—which means big savings in fuel, less engine wear, greatly reduced maintenance costs.

There's a complete line of RAINMASTER engine powered and TRAC-TOW P.T.O. Pumpers manufactured by Construction Machinery Company, Waterloo, Iowa. It'll pay you to get full details today.

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Automatically adjusts to ground.

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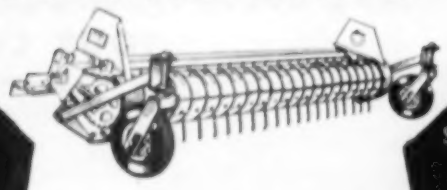

Lighter.

No wrapping or clogging.

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QUIPS AND QUOTES

HAVING FUN IS like having insurance—the older you get, the more it costs you.—Walnut Bureau.

BOLEY SOWERS SAYS the weather's been so mixed up this spring that he's had antifreeze in his power mower while using it the first time or two.—Lake City Graphic.

WHEN EVER YOU have a choice of two evils, always choose the best looking.—Corn Belt Lamb Feeder.

MONEY TALKS, but it takes a lot of it to really say something.—Laurens Sun.

A SMART GIRL is one who can bend down for a dropped hankie and come up with a man.—Ogden Reporter.

THE REASON why the Ten Commandments are short and clear is that they were handed down direct, not thru several committees.—Adair County Free Press.

A TAXPAYER IS a person who doesn't have to pass a civil service examination to work for the government.—Rolfe Arrow.

TOO MANY OF us want to be the brother who's kept.—Kossuth County Advance.

EVERY WOMAN SHOULD remember that no man likes to come to a dinner of cold shoulder and hot tongue.—Iowa Agriculturist.

AFTER PLAYING BALL with the young son the other evening, we came to the conclusion that it's all right to think you're as young as you used to be—but just don't try to prove it.—Gowrie News.

"CHILDREN NEED LOVE especially when they do not deserve it." Harold S. Hulbert.—Malvern Leader.

YOU CAN ALWAYS tell an American at a bullfight—He is the guy cheering for the bull.—Sioux Rapids Bulletin-Press.

ALL IT TAKES TO set up in the gossip business is one loose tongue and one listener.—Decorah Public Opinion.

"One nice thing . . . It's awfully cheap to run."

Bear Cat APPLICATOR

Kill or control corn borers with new granular D. D. T. Latest and most effective method.

Adjustable for high or low clearance. Will handle 2 or 4 rows. Drops granules right into leaf whorl where it will do the most good — kills borers before they tunnel into the stalk. Simple to operate, no worry about proper placement of nozzles, no water to haul, no mixing. Can be used for seeding of all kinds of grass seeds, clover and for applying other soil insecticides. For full information, see your dealer, or write:

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Dept. 172-38, Hastings, Nebr.

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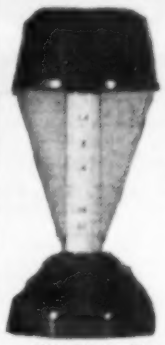

- Precision rain gage, accurate to the hundredths of an inch.
- Weather resistant, will withstand freezing water.
- Easily installed and streamlined for wind resistance.
- Attractive and dependable.
- Easy to read.
- An instrument that will keep you accurately informed on the true measurement of rain fall.

Price Per Gage

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All Orders Filled Promptly

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ALSO Garages, Bunker Silos, Grain Bins, etc.

FREE INFORMATION and LOW FACTORY PRICES

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. . . when it comes to cancer?

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Make milk safe to drink . . . easily, quickly, automatically. Assure complete kill of all harmful bacteria. No other units as simple to use . . . as automatic in operation. No stirring or watching. No troublesome water baths. No "cooked" taste. 1 year guarantee. Underwriters' Approved.

PREFERRED BY MORE FARM FAMILIES

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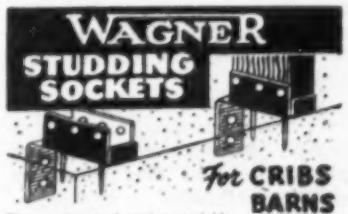

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Lightest of all one-man gasoline chain saws. Powered by a 2-cycle engine that mows through the largest timber. Ask your dealer about the special low cost! Or . . . write for bulletin to—

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McCulloch CHAIN SAW

FARM FOR SALE—280 acres excellent soil—on highway 71, near town, two houses. Mr. and Mrs. Robert V. Plant, Rt. 2, Sauk Centre, Minnesota.

"You'd be surprised what a steep pitch that barn roof has."

Farm News Briefs

FRIENDS from all over Iowa will gather at Ames, June 7, for a recognition dinner in honor of E. L. Quaife and Rex Beresford, veteran animal husbandmen at Iowa State College. Beresford has been an extension beef cattle specialist since 1916. Quaife has been extension swine specialist since 1917.

▼ ▼ ▼

IOWA STATE FAIR dates have been changed for the 1956 event. The 1956 show will open one day earlier on Friday, August 24, and will continue thru Sunday, September 2. Labor Day is left out of this year's schedule.

Dates for livestock shows are changed too. The 4-H and FFA shows will open on the first day, August 24. Dates for showing 4-H and FFA livestock were moved up so there would be no conflict with opening dates of school thruout the state.

Judging of open classes of livestock begins on August 27.

▼ ▼ ▼

THE WEEK of June 10 thru 17 has been declared Soil and Water Conservation Week in Iowa, according to a proclamation by Gov. Leo A. Hoegh. Many soil conservation districts thruout the state are planning soil and water conservation events to take place that week, says Othie R. McMurray, secretary of the State Soil Conservation Committee.

▼ ▼ ▼

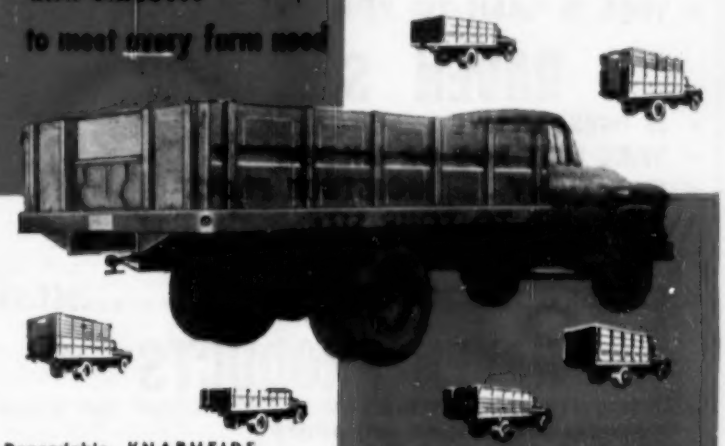
NEW DIRECTOR of the Iowa Marketing Research Corporation is Harry F. Munson of Alton, Ill. This announcement comes from the Iowa Farm Bureau Federation which established the corporation last winter to study all phases of the production and marketing of farm products in an effort to find ways to improve Iowa farmers' income. Munson has six years experience with two meat packing firms as well as a broad background in food technology and business.

▼ ▼ ▼

COMING EVENTS: Ag Engineering Field Day, Iowa State College, June 2; University of Missouri Soils and Crops Field Days, Columbia, June 4 and 5; Lamb and Wool Congress, Omaha, June 6; Soil and Water Conservation Week in Iowa, June 10-17; Western Iowa Experimental Farm Field Days, Castana, June 12; Corn Belt Farm Family Field Days, Eldora, Iowa, June 21-22; National Farm Safety Week, July 22-28.

Now! KNAPHEIDE offers over 100 body combinations and sizes... to meet every farm need

One or more 12" tip-tops can now be added to the KNAPHEIDE grain body for hauling bulky grain. Or, slip-on racks can be added for hauling livestock. Convenient hinge-down racks are also available.



Dependable KNAPHEIDE bodies are engineered for tough farm jobs with high tensile steel all-welded platform understructure and grain sides. An overwhelming majority of the steel side grain bodies on the road today are KNAPHEIDES. *Knapheide dependability has been road-proven.*

Manufactured by
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He Missed This Strip!

. . . and Proved the Weed Killing Power of Pittsburgh 2,4-D

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THE Hamilton COMPANY
SINCE 1949
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REDUCE SILAGE SPOILAGE

- SILAGE IS CASH TO YOU
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RAVEN SILO CAP

- IS INEXPENSIVE
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- OF VISQUEEN POLYETHYLENE FILM . . . THE LATEST AND FINEST TECHNICAL DEVELOPMENT IN PLASTICS
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TRENCH AND BUNKER SILOS — WATER PONDS
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YOU CAN SAVE $2,500

ON FARM MACHINERY WITH THE BIG CAPACITY 60" MULTI-PURPOSE BRADY OFFSET CHOPPER

BRADY OFFSET CHOPPER
DOES THE WORK OF 6 FARM MACHINES
GREATER CAPACITY
SAVES 25% Chopping Time

POTATO TOPPER...$450
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RAKE 300
COTTON CHOPPER ...400
TOTAL $3,400

BRADY MULTI-PURPOSE DOES ALL JOBS for under $900 F.O.B. FACTORY

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WF 456

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Manufacturers of "More-For-The-Money Farm Machinery"

Another New Implement from the Home of Stan-Hoist, Loaders, Elevators.

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ANNOUNCES . . . .

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1. ALL STEEL WAGON BOX with the new 26 truss bed. The flexibility of wood with the strength of steel, two sizes.
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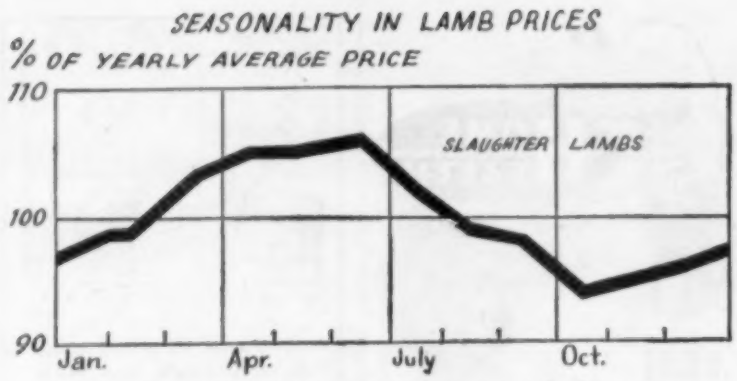


Chart above shows highs and lows of slaughter lamb prices by months. High is in June, low in October.

Push lambs for best market

Lambs usually sell best in June and early July. And hot weather slows gains. Here's how to push 'em

Economist Francis A. Kutish and animal husbandman Tom Wickersham of Iowa State College take a careful look at the lamb market in the article below. Flock owners all over the Corn Belt will want to consider their marketing and management suggestions.

CHANCES are good that this will be a year when early-produced lambs will hit the high market.

Lambs usually sell best in June and early July. Prices normally go down from then until late fall.

Not only that, but lambs don't gain as well during the summer months. Hot weather and flies slow down gains. So do parasites.

In addition to all this, the Iowa farmer with 45 to 60-pound March and April lambs faces other factors in making his decision of when to sell. Pastures have been slow. On May 1, Iowa farmers reported that their pastures were only 56 percent of normal.

Ewes turned on poor, slow pastures do not milk well enough for lambs to make fast gains and maintain their baby fat.

Creep feeding lambs a mixture of 45 pounds of shelled corn and 45 pounds of whole oats, plus 10 pounds of one of the oilmeal pellets will help maintain rate of gain and finishing—even tho the ewes are on slow pasture.

An eastern Iowa farmer worked out this arrangement: He has a cutting gate so the ewes are turned out to pasture. But the lambs stay in the yard. There they can eat at a creep. The ewes are turned back in with the lambs night and morning for suckling. This helps to stretch the pasture too.

A few specialized Iowa sheep raisers shear their lambs in May. So do many 4-F and FFA members. This keeps the lambs cooler during hot July weather.

But most commercial lamb raisers believe that they are farther ahead to push their lambs along.

They try to get most of their lambs on the market before the severe hot weather hits us. Lambs standing around most of the day in the shade, panting from the heat, can't gain or finish properly.

Another point: These successful lamb raisers top out their lambs. They sort out the choice grade lambs as they reach a weight of 85 to 105 pounds. They don't wait until the whole bunch reaches market condition and weight.

This means selling in smaller bunches. But it pays in the form of higher average prices.

Reason why the top price for lambs normally comes late in spring or early summer is clear. Not many lambs are available for slaughter then. Last year's crop of fed lambs have all gone to market. And the big supply of western range lambs has not yet begun to move.

As summer progesses, western ranchers begin to ship lambs. Peak runs of these western lambs come in the fall months. That's when the price of lambs is the lowest for the year.

Iowa farmers who carry lambs thru the summer run into this competition from the west. And it drives down the price of their Iowa lambs.

What's more, lambs carried over into the summer usually are heavily infested with internal parasites. And this slows up gains and finish.

Sheep are close grazers. With pastures short this spring, chances are good for lambs to become badly infested.

Research at the University of Wisconsin shows that a 50-pound lamb heavily infested with internal parasites will lose as much as eight quarts of blood in 44 days. Younger lambs are more susceptible to damage from parasites.

Farmers can control the parasite problem with pasture rotation, drenching programs, and good nutrition. But lambs that have been pushed along to market weight and finish by late June or early July don't have a serious parasite problem.

13th Annual

North Iowa Hereford Sale

At New North Iowa fairgrounds on Highway No. 18 one mile west of

MASON CITY, IOWA
MONDAY, JUNE 11th

Starting at 1:00 P. M.

HEREFORDS and POLLED HEREFORDS

50 BIG RUGGED BULLS—MOST ALL READY FOR SERVICE
28 HEREFORD BULLS—22 POLLED HEREFORD BULLS
5 DESIRABLE YOUNG FEMALES

For this 13th Annual sale they have selected cattle from some of the leading herds, rich in pedigree, pleasing in type and merit. More than half of the bulls are ready for immediate service; others yearlings, ready soon. You can find a herd bull here. The 5 females attractive and please those looking for females. The consignors are:

P. M. Christenson & Son Lone Rock
Curran Stock Farm.....Mason City
Joe Duea & Son.....Thornton
W. A. Hodgson.....Eagle Grove
Larry Johnson.....Story City
Harm Kurtzleben.....Britt
Wm. McArthur & Son...Mason City
Merfeld Brothers.....Marble Rock
Edward Oldaker.....Eagle Grove
Olson Hereford Farms.....Leland
Peterson Hereford Farm.....Leland
G. E. Punke & Sons.....Clear Lake
Roy Schaub & Son.....Grafton
Joseph Skow.....Wesley
Larry Springer.....Nashua
R. M. Van Hauen.....Parkersburg
Lawrence Welsh.....Waukon
Clark Williams.....Dows
Wilbert Witte.....Hampton

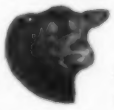
This is an event you will want to attend. You can purchase a top bull or young female at your own price. All T.B. and BANGS tested. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

LEIGH R. CURRAN, Sale Mgr., MASON CITY, IOWA

Auct. Tom Sherlock — Lunch on grounds — J. E. Halsey, Fieldman

LAST CALL!!! **13th Spring Sale**

North Central Iowa Angus Breeders



TUESDAY, JUNE 5 — MASON CITY, IOWA

27 Bulls - 60 Females

At the new Fairgrounds on Highway 18, just across from the Drive-In Theatre at the west edge of town.

Show: 9:30 A.M. C.S.T. — Sale 1:00 P.M. C.S.T.

Included in the 27 bulls are one four-year-old tried sire, 11 1954 bulls ready for heavy service, 10 yearlings old enough for service, and 5 younger bulls. Bulls for good registered herds and farmers alike.

Among the 60 females are bred heifers and cows and open heifers. Outstanding in quality and from families that are in strong demand. You will still have time to receive the catalog if you write promptly. Please mention this publication. Address

H. C. MILLER, Secy., 316 4th St., HAMPTON, IOWA

T. W. Sherlock, Fieldman

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CAMPBELLS' GOLD MINE

Polled Hereford Sale

GOLD MINE, the first Register of Merit Polled Bull, sire and grandsire of Gold Mines. This breeding is strongly represented in this sale.

At farm 1 mile South, ½ mile West and 3½ South of Tiffin, and only 8 miles west of Iowa City, Iowa

TIFFIN, IOWA
SATURDAY, JUNE 9

50 LOTS
21 Choice Bulls
29 Desirable Females

This fine herd was built with **KUHLMANN** bred bulls. Our first bull **ADVANCE CHOICE DOMINO 2nd**, bred by Orville Kuhlman, by **ADVANCE CHOICE DOMINO** followed, with **GOLD TOP** and **O.K. GOLD MINE 7th**, sons of the famous **GOLD MINE**. They are now followed with **O.K. GOLD PILOT 29th** son of **Gold Pilot**. The last 3 bulls are sons of the only two **REGISTER OF MERIT** Polled Hereford Bulls.

We feature the sale of GOLD TOP . . . a truly great breeding son of the famous GOLD MINE, the Register of MERIT Sire.

The 21 bulls include herd bull prospects. Fourteen are from **16** to **24** months old; four are from **12** to **14** months old. They are sired by **CAMPO GOLD TOP 3rd** (Herman), **GOLD TOP, O.K. GOLD MINE 7th, CHOICE DOMINO 1st** and **B.K. BLOCKY DOMINO 2nd.** All well-grown, pleasing type and merit. Best in breeding. Three proven sires offered . . . **GOLD TOP**, who has sired many outstanding cattle for us, **CHOICE DOMINO 1st**, a double-bred **KUHLMANN, ADVANCE CHOICE DOMINO** and **O.F. GOLD MASTER 5th**, grandson of **GOLD MINE**. Genuine herd bull material. Proof of the consistent quality of **GOLD MINE** breeding, is the large number of winners in open class at major shows.

The Females—24 cows, daughters of **O.K. GOLD MINE 7th, GOLD TOP, CHOICE DOMINO 1st, ADVANCE CHOICE DOMINO 2nd, CHOICE DOMINO 11th, DON DOMINO** and **REAL CHOICE PLATO.** Some of the best KUHLMAN and ROBINSON blood lines. Several cows with calves at side and sired by **CAMPO GOLD TOP 3rd** (Herman), **GOLD TOP, CAMPO GOLD HERMAN, CAMPO GOLD MINE 7th** and **CHOICE DOMINO 1st.** Those of breeding age carry their service. Five most attractive open heifers, sired by **GOLD TOP** and **CHOICE DOMINO 1st** . . . ideal age to mate to your herd bulls. Cattle offered in practical breeding condition. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

JOHN & ALICE CAMPBELL, TIFFIN, IOWA

Auct.: Tom Sherlock — J. E. Halsey, Fieldman

46th ANNUAL

Minnesota Shorthorn Breeders

SPRING SHOW AND SALE

Fair Grounds Sale Pavilion

SHOW — 9:00 A. M. — **SALE — 12:30 P. M.**

4-H and F.F.A. Judging Contest

Judge: Russell Held, Vinton, Iowa

Blue Earth, Minn., Tuesday, June 12th

—25—
SPLENDID BULLS

—25—
WELL-BRED FEMALES

One of the best offerings ever presented by the Minnesota breeders selected from 16 leading herds. The 25 bulls, well-grown, rugged, by great sires, ready for service and include herd bull prospects. The 25 females include cows with calves, bred cows and heifers and attractive open heifers. They are by top quality sires and rich in best blood lines. The consignors are:

Irving Hansen.....Walnut Grove, Minn.
Norman T. Findahl.....Waterville, Minn.
Drewery & Markley.....Randolph, Minn.
Roland Esterly.....Albertaville, Minn.
Wm. Fenner.....Fairmont, Minn.
Gordon Mork.....Mora, Minn.
Theo. W. Nickel...Mountain Lake, Minn.
Kaehler Bros. (Polled)..St. Charles, Minn.
Chas. Ewald & Son.....Waldorf, Minn.
Melvin Camery.....Worthington, Minn.
Dale Perry.....Appleton, Minn.
Kenneth Rust.....Lismore, Minn.
Sandaness Bros.....Peterson, Minn.
Sylvester Wesley & Sons..Waterville, Minn.
W. G. Harold.....Lime Springs, Iowa
Chas. Bjerstad.....River Falls, Wis.

You will find this an offering that will please. Your opportunity to make admirable and profitable selections. All cattle **T.B.** and **BANGS** tested. Ask for **FREE** catalog now. Kindly mention this publication. Address

NORMAN T. FINDAHL, Secy., WATERVILLE, MINN.

Auct.: J. E. Halsey — T. W. Sherlock, Fieldman
Ella Marie Lausen, Clerk

BANQUET—Hotel Wellington, Blue Earth, June 11, 6:00 P. M. Shorthorn Social Hour, 7:00 Buffet Dinner, 8:00 Annual Meeting, and also 8:00 Shorthorn Lassies Meeting. Everyone cordially invited.

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First in Leadership! First in Quality! First in Championships!

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ABERDEEN ANGUS

Angus heifers make

SUPERIOR MOTHERS

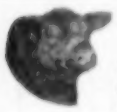
Less calving trouble

Angus heifers have less calving trouble, for Angus calves have smaller, polled-shaped heads. Gives you more calves to sell.

Give more milk

Angus cows are alert, aggressive mothers . . . provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers!

American Angus Assn., Chicago 9, Ill.



HOMELAND

Now offering at attractive prices 15 of our 1954 ANGUS heifers, ready to breed. All popular families, by our proven Herd Bulls, headed by **R.L.S. PRINCE ERIC 18th.** Only a few yearling bulls left, but they are **TOPS.** Visitors welcome. Write or phone 13F626.

MEIER BROTHERS

Melbourne, Iowa

M. B. ANGUS FARMS

PRINCE QUALITY OF SUNBEAM

His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls. BAR QUALITY M. B. by Prince Quality of Sunbeam. RAGNAR PRINCE ERIC 21st by RLS Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S.W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 35.

MAAS BROS., RIVERSIDE, IOWA

Meredith, Meredith, Jr., and Donald

CHOICE FARMER BULLS

Rugged **ANGUS** bulls, ready for service. **EILEENMERE-BELL BOY** Breeding, nothing better. Will also sell **EILEENMERE ERIC,** a top 4 year old tried and proven sire. Genuine Herd Bull for someone. You can see his calves at Farm. **REASONABLE.** Will deliver **FREE** up to 150 miles. Act now.

I. E. KEMP MARION, IOWA

KATHMAR ANGUS FARMS

Want a Bardolier?

DONAHUE, IOWA

HERD SIRES:
BARDOLIER 40th OF WILTON
son of Black Bardolier of White Gates 3rd
BARDOLIER 7th OF WILTON
son of Evaders Quality Bardolier
FEMALES of most popular families. Visit farm.

DR. C. E. BLOCK
718 1st Natl. Bldg. Davenport, Iowa

CHOICE ANGUS BULLS

AT MODERATE PRICES

Bandolier and Eileenmere sires from Bell Boy and Bandolier dams. Also females for sale. Quality plus breeding.

O. O. & JOHN EMERSON

KNOXVILLE, IOWA

ANGUS BULLS & FEMALES

Choice pure bred cows with calves at side, many young cows to calve soon. Also Good Young **Bulls** ready for service. Top quality, richly bred, pleasing type. Best breeding. Priced to sell. (Farm 6½ miles West on Main Street.)

WALTER & J. R. WILKINSON
MARSHALLTOWN, IOWA

FEED BOW-KEY FEED

DES MOINES . . . . . IOWA

ABERDEEN ANGUS

SPENCE ANGUS PRODUCTION

Crab Orchard, Nebraska

and

WM. STEAVENSON DISPERSION

Fontanelle, Nebraska

At Columbus Livestock Sale Pavilion

COLUMBUS, NEBR. TUESDAY, JUNE 12

90 LOTS

11 GENUINE HERD BULL PROSPECTS
1 EXCELLENT TRIED SIRE
3 Grandsons of PRINCE SUNBEAM 20th
3 Grandsons of O. BARDOLIERMERE 10th
6 Sons of EILEENMERE ERIC

78 GRAND FEMALES

40 COWS WITH BIG LUSTY CALVES AT SIDE
12 YOUNG COWS FORWARD IN CALF
17 CHOICE 2-YEAR-OLD BRED HEIFERS
9 MOST ATTRACTIVE OPEN HEIFERS

Best in breeding. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

ROBIN A. SPENCE, Manager
1300 Jefferson St. Beatrice, Nebraska

Brookdale Angus Farm

"The Home of The Beldoliers"

Herd rich in best **BANDOLIER-BARDOLIER** breeding. Popular blood lines. Herd Bulls **BROOKDALE BLACKCAP BARDOLIER** 1988256 Prince Bardolier. Visit us any time.

John W. Auman & Son, Marion, Iowa
Farm 9 mi. north of Cedar Rapids on Highway 150

ANGUS BULLS

Several choice bulls, serviceable age by **BLUEBOY LAD 160th of IDA,** and **BANDOLIER 214th of WILTON.** Also a few top bred heifers by same sires and mated to **PRINCE E & B 252nd,** first prize Junior Yearling National Angus Show and Iowa State Fair 1954. Genuine quality, breeding unexcelled. Act now.

ELMER J. JOHNSON, KIRON, IOWA

HEREFORDS

CHOICE HEREFORD BULLS

10 to 30 Months Old

Sons of PEARSON DUKE 46th. They are Beefy Type Bulls, the kind everyone is looking for. Come and see. Visitors always welcome.

CHARLES AMOS & SONS
Indianola, Iowa

DON BLANCHARD 95th

DON BLANCHARD'S

Time-Tested and Proven

Offering choice rugged, meaty bulls, 12 to 20 months old.

ELDON L. ST. CLAIR, BEAMAN, IOWA

SKOW'S STOCK FARM

Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for Bangs. Sired by **TH LARRY ONWARD 25th** 6745189, son of Troup's famous MW Larry Onward 13th. Reasonable.

JOSEPH A. SKOW WESLEY, IOWA

REGISTERED HEREFORDS

Bloodlines: **Battle Pioneer 54th, Domino Heir G., Real Heir L.**

Bulls and Females for sale.

RUSH HEREFORDS LAKE PARK, IOWA

POLLED HEREFORDS

CURRAN POLLED HEREFORDS

For Immediate Sale

Choice Herd Bull prospects by **CSF CHOICE DOMINO 2d, ALF. REAL ONWARD 16th, REGULATOR DOMINO 16th** and **CSF IOWA CHOICE 10th.** Herd federally accredited, all females officially calfhood vaccinated.

Curran Stock Farm, Mason City, Iowa

POLLED HEREFORDS

We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.

Headed by: **BATTLE MIXER, P. ANXIETY ASTER.** Come look them over.

P. M. CHRISTENSEN & SON, LONE ROCK, IA

Livestock News

The **Northwest Iowa Aberdeen-Angus** "Green Pasture" show and sale held at Spencer, Iowa, May 16 made a good average on both bulls and females.

18 bulls averaged $338
22 females averaged $353
40 lots averaged $348

The champion bull was lot three, MA Black Prince, entered by Arnold Angus Farm, Spencer, Iowa. He sold for $795 to Waldo Lundt, Linn Grove, Iowa. The reserve champion was lot 31, Birdies Lad B, entered by A. A. Mugge, Spencer. He sold for $765 to Edgar and Howard Kronke, Schleswig, Iowa.

In the females, the champion was lot 22, Ebony's Erica 110 of Ida, shown by Johnson Brothers, Ida Grove, and sold for $475 to Arnold Angus Farm, Spencer, Iowa. Arnold Angus Farms also bought the top of the sale, lot 23 female, Miss Wix E&B entered by Enoch and Bob Johnson, Arthur, Iowa, for $1,550. The reserve was lot 19, Erica Energy H, shown by Hilltop Farm, Dickens, Iowa, and sold for $350 to Dale Jones, Dickens, Iowa.

The sale was under the management of E. P. Arnold. Auctioneer was Ham James. Garold Parks judged the show.

Shorthorn Field Day

The **Iowa Shorthorn Breeders Association** annual field day and picnic will be Sunday, June 10, at Ka Del Acres owned by Urice Bros., Vinton, Iowa, located 2½ miles south on No. 218. Bring a basket lunch for your family, silver, dishes and beverage. Free ice cream will be provided. A good educational program has been arranged, including judging contest for men, women and juniors, a weight guessing contest and various type demonstrations. Cash awards in judging contest will be furnished by the Iowa association. Officers of Iowa association are president, Homer Clausen, Spencer; vice-president, C. E. Stewart, Rose Hill; and secretary-treasurer, Albert J. Hamann, Rock Rapids, Iowa.

Coming Livestock Sales

ANGUS

June 4—Fi-Jon Farms, Rose Hill, Iowa.
June 5—Grover Mortz Dispersion, Kirksville, Mo.
June 5—North Central Iowa Breeders show and sale, Mason City, Iowa. H. C. Miller, Secy., Hampton, Iowa.
June 6—Wisconsin State Angus show and sale, Janesville, Wis. Lisle Blackbourn, Sale Mgr., Caseville, Wis.
June 12—Spence Angus Farms, Crab Orchard, Nebr. Sale at Columbus, Nebr.
Oct. 24—Grand River Angus Breeders, Princeton, Mo. Marion Summers, Secy.
Oct. 26—Woolever and Pollock, Unionville, Mo.
Nov. 3—Rogers Bros. and Frank B. Eitel Calf sale, Kirksville, Mo.
Nov. 12—Interstate Angus Breeders Association, Sioux City, Iowa. Dwight Tabke, Sale Mgr., Moville, Iowa.
Nov. 19—Perry Philips Farm Thanksiving Calf sale, Columbia, Mo.

HEREFORDS

June 11—North Iowa Breeders, Mason City, Iowa. Leigh Curran, Mgr.
Sept. 7-8—Western Illinois Breeders Association, Mt. Sterling, Ill. Robert Allen, Secy., Warsaw, Ill.
Sept. 22—Clark Grangfield, Lorimer, Iowa.
Sept. 29—Lamport Ranch, (Calf sale) Britton, So. Dak.
Oct. 4—Ralph Bramer, Carlisle, Iowa.
Oct. 15—Thorp Hereford Farms, All Star sale, Britton, So. Dak.
Nov. 1—Northeast Missouri Breeders, Memphis, Mo. Vernon Winkler, Secy., Memphis, Mo.
Nov. 3—Leland Shupe, Meredon, Dieschhorst Farms, Quincy, Ill. J. Dwight Ernst, Mgr., Hamilton, Ill.
Nov. 4—Orval Burchett & Sons, Grand River, Iowa.
Nov. 10—Western Illinois Breeders Assn. calf sale, Macomb, Ill. Robert Allen, Secy., Warsaw, Ill.
Nov. 14—Bianchi & Sanford, Macon, Mo.

POLLED HEREFORDS

June 9—John & Alice Campbell, (Gold Mine sale) Tiffin, Iowa.
June 11—North Iowa Breeders, Mason City, Iowa. Leigh Curran, Mgr.
Sept. 24—Chas. Hart & Son, Conway, Iowa.
Oct. 9—Southeastern Iowa Polled Hereford Association, Oskaloosa, Iowa. Calvin Cruzen, Mgr., New Sharon, Iowa.

SHORTHORNS

June 4—Edellyn Farms, Wilson, Ill., Fred McWilliams, Mgr.
June 5—Marcilbar Farms, Libertyville, Ill., John Blume, Mgr.
June 12—Minnesota State show and sale, Blue Earth, Minn. Norman T. Findahl, Secy., Waterville, Minn.
Sept. 1—Howard Hildreth, (Dispersion) R. 3, Fairbrville, Iowa. Sale at Spencer, Iowa.
Sept. 18—P. A. Rasmussen & Sons, Goldfield, Iowa, and C. J. Schutjer, Wooden, Iowa.
Sept. 22—Hawkeye Downs annual Fall sale, Cedar Rapids, Iowa. Earl S. Girton, Mgr., Box 321, Marshalltown, Iowa.
Oct. 8—Carl Retzlaff & Sons, Dan & W. G. McCubbin, Elkhorn, Nebr., and Lloyd Davis, Oakland, Iowa. Sale at Retzlaff farm, Walton, Nebr.
Nov. 10—Central States Breeders, Oskaloosa, Iowa. C. K. Stewart, Sale Mgr.

POLLED SHORTHORNS

Sept. 15—Hawkeye Downs annual Fall sale, Cedar Rapids, Iowa. Earl S. Girton, Mgr., Box 321, Marshalltown, Iowa.
Sept. 29—John Dittmer & Sons, Lacona, Iowa. Sale at Knoxville, Iowa.
Oc. 29—Missouri Breeders, Sedalia, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Iowa.

FEEDER CATTLE

Oct. 2—Davis county, Bloomfield, Iowa.

HAMPSHIRES

July 30, 31—Hampshire National Type Conference, Sioux Falls, So. Dak.

SHEEP

June 4—Suffolk Ram and Ewe sale, Oskaloosa, Iowa. Roy B. Warrick, Mgr.
June 5—American Suffolk Ram and Ewe sale, Oskaloosa, Iowa. Roy B. Warrick, Mgr.
June 18-19—National Corn Belt stud ram show and sale, Fairgrounds, Oskaloosa, Iowa.
June 20-21—Midwest Stud Ram show and sale, Sedalia, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Iowa.

LIVESTOCK FIELDMEN

J. E. HALSEY, 1912 Grand Ave., Des Moines. Phone: Office 3-6181, Res. 7-3645.
THOS. W. SHERLOCK, Box 2, Oxford, Iowa. Phone 8-4397.
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We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

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DOUBLE STANDARD

Polled Hereford Bulls

7 months to 2 years old.
Champion Bloodlines
QUALITY WITH SIZE
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20 choice Bulls from 14 to 20 months old. GOLDMINE, PLATO and CHOICE DOMINO breeding.

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MODERN TYPE SHORTHORNS

Buy the blood of champions

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The sire of champions in the strongest competition. Quality breeding stock available.

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Always choice Bulls for sale.

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Saddle Horses—young registered.
American Saddle mares.
Dairy bulls—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey.

ANIMAL HUSBANDRY DEPARTMENT
Iowa State College Ames, Iowa

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Holsteins, Guernseys, Brown Swiss.

All ages. Priced right.

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Choice Dairy Heifers from 350 to 900 pounds. **HOLSTEINS** 14 and 15c per pound. **GUERNSEYS 13** and **14c** per pound. All heifers sold by pound. Also Springing cows and heifers. Write or call

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Any age. Will deliver any sized order on approval by truck.

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Choice springing heifers and cows, also open heifers and bred heifers. T.B. and BANGS tested. Order buying a Specialty. Phone 3895.

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CHOICE COWS, HEIFERS AND CALVES
Delivered on approval.

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Tested. Delivered your door collect. 50 or more on hand. Inspection invited.

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GOLDEN SUNSET JERSEYS

Registered Jerseys since 1899. Too many young bulls and bull calves. From May 15 to Sept. 1 we will offer these at lowest prices in years. Send for free list. Biltmore and Imported breeding.

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When writing to our advertisers, please mention that you read their advertisement in Wallaces' Farmer and Iowa Homestead.

LIVESTOCK NEWS

The dispersion sale of **Shorthorn** cattle for Ronald Carlson, Dayton, Iowa, held at Ogden, May 17, was satisfactory. Nine bulls, all just past the calf stage except lot one herd bull, averaged $191. The 35 females averaged $181 with the 44 lots selling for an average of $183.

The top on the bulls was lot one, the herd bull, Claymore Thistle, who sold for $300 to Charles Knudson, Fort Dodge, Iowa. The second high was lot two, Rosebud's Prince. Buyer was John Stevenson, Goldfield, Iowa, for $270.

The top for females was $280 for lot 18, Roan Victoria. Buyer was L. H. Gerke, Cambridge, Iowa. Second high was $250 paid twice, for lots 28, Gloster's Nugget, selling to Wehrman Brothers, Melbourne, Iowa, and lot 30, Nettie's Favorite, going to Charles J. Meyers, Pomeroy, Iowa.

The auctioneer was J. E. Halsey.

Hereford Day

The North West Iowa Hereford Association will hold its annual field day and picnic on Saturday, June 16. Tour will start at the E. O. Johnson farm south of Milford at 8 a.m. There will be a picnic dinner at noon at the Gilbert Ahrenstorff farm. Everyone interested in Herefords is invited. Please bring your basket lunch for the picnic.

After the picnic, there will be a program in the interest of Herefords and a tour of different herds in the territory.

Shorthorn Day

All Shorthorn followers and their friends are invited to attend the Southwest Iowa Shorthorn Breeders Association field day, June 16, at the Lisle Farquhar farm near Coin, Iowa.

There will be a show, made up of three classes—young bulls, young heifers, and two-year-old heifers with calves. The judge will be Dale Bellows of Maryville, Mo., and there will be appropriate prizes for seniors and juniors in the contest.

Ken Fulk, secretary of the Iowa Beef Producers Association, will give an instructive type demonstration. All are invited to attend. Bring your families and friends.

Dairy Cows Need Lots Of Water

Water is just as important as roughage and concentrates in the rations of dairy cows.

But water, the cheapest of the three, is most often the part of the ration that is neglected, says J. D. Burke, extension dairy specialist at the University of Illinois College of Agriculture.

Dairymen can see how important water is for their cows if they will remember that there are 87 pounds of water in every 100 pounds of milk, Burke says. That's nearly seven times the total of protein, fat, sugar and minerals. In addition, cows need water for body maintenance.

Milking cows will drink three to six times as much water as the milk they produce. The amount will vary with the temperature and the water content of the feed in the ration. Cows will average 12 to 15 gallons of water a day, but high producers may need as much as 40 gallons.

What's more, cows like their water often. They will take an average of 10 drinks a day if they have free access to water. They especially like water with their meals.

Experiments show that cows will produce three to four percent more milk when they have free access to water than when they are watered twice a day, and six to 11 percent more than when they are watered once a day, the dairy specialist says.

Manure Mulch Helps Corn

Altho surface manure mulching of corn is not common, it offers a means of increasing yields and making the best possible use of moisture under present dry conditions.

By making better use of available moisture, corn yields have been increased eight to 10 bushels per acre in some cases where straw or manure mulch has been used, according to M. D. Weldon, extension agronomist at the University of Nebraska.

In tests at the Ohio Agricultural Experiment Station, corn yields were increased 11 bushels in 1951 and 10 bushels in 1952 when a manure mulch was used. The Ohio tests showed that soil moisture was three percent higher in August, 1953, in manure mulched soil compared to unmulched soil.

Tests showed that rain falling on mulched corn did not run off to the same degree as that falling on the unmulched area. Unmulched soil lost more than one-third of the rainfall by runoff while the manure mulched soil lost only a small percentage.

A mulch protects the soil surface while keeping it open, Weldon states. Hard summer rains can churn up the surface of unmulched soil causing it to seal over. A sealed soil surface tends to shed rather than take in rainfall. When rainfall can be absorbed into the soil, erosion is reduced.

Mulching of corn can be done at any time after planting, but the simplest method is to harrow and cultivate once or twice before putting on the manure. In the absence of manure, straw or old hay makes a good mulch. As little as two tons per acre of such material gives good soil protection while eight to 10 tons of manure are needed for each acre.

An application of 2,4-D may be made to control weeds on mulched fields.

GRAMPS AND HARLEY—This argument ends in a draw

READ THIS PLEASE

A feed or a concentrate is no better than the ingredients and formulation use by a manufacturer, no matter who the company is or how big they are. The Bolson Co. asks that you compare their products with what you are now feeding. Do this next time you need feed.

L. C. BOLSON CO. DECORAH, IOWA A NAME YOU CAN TRUST IN FEEDS!

Save Alfalfa Leaves For Protein

You can cut next winter's protein feed bill by putting up high-quality alfalfa hay this summer. This means making hay with plenty of leaves.

Leo R. Fryman, University of Illinois extension dairy specialist, says much of the protein feed purchased by dairymen is used to replace the protein value of leaves lost during the hay-making season.

Alfalfa leaves contain 60 to 80 percent of the protein as well as 60 percent of the phosphorus and practically all of the calcium and minerals in the hay.

Fryman gives the following example of the loss of leaves in making alfalfa hay. Three tons of high-quality No. 1 hay have a feeding value equal to one ton of linseed oil meal plus one ton of ear corn. This hay would have a present-day value of approximately $140.

After being rained on and overexposed to drying weather, a similar amount of hay had shrunk to 1.8 tons. The weather changed the alfalfa from No. 1 to poor-quality, No. 3 grade hay. The 1.8 tons were equal in feeding value to only 900 pounds of linseed oil meal and 1,300 pounds of corn. The value of the hay had dropped from about $140 to around $70.

The difference in the amount and feeding value of the two hays was due to loss of the leaves, Fryman says. He suggests setting up your hay-making operations to save as many of the leaves as possible.

Cut early to get alfalfa with a high protein content. A good time to cut when the crop is from 1/10 to ⅛ in bloom. Alfalfa contains about 20 percent protein at the bud stage, but only about 14 percent at full bloom.

The time needed for field-curing can be reduced by using hay crushers or barn-drying systems. Reducing the time between cutting and storing will mean less weather or rain damage to the hay and more leaves saved.

HYBRID HOGS

MEAT TYPE BOARS

We have best quality boars to offer the year around. Our boars will contribute HYBRID vigor, stronger pigs, better mothers, faster gain, on less feed per 100 lbs. of gain. Larger litters, raised to market, and a solid MEAT TYPE carcass. Save $50 to $75 per boar and buy direct. No salesman's commission to pay. Our strains are exclusive. All animals guaranteed to be clean and breeders.

McALLISTER SEED FARMS
Mt. Pleasant, Iowa

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Meat Type Hybrid — Get the Full Story
1. Save 20 lbs. feed per 100 lbs. gain.
2. Raise 1-2 more pigs per litter.
3. Go to market 2 weeks sooner.

HERE'S PROOF. Over 2 million pigs sired by Wilson Hybrid Boars—800 customers—8 years continuous increase in sales. Vaccinated for Cholera and Erysipelas, blood tested. Guaranteed breeders. Free delivery. Write for free literature. Dealership available.

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LUCIE HYBRID BOARS

The only herd backed by 17 years performance testing.
1. Save 10 to 20% on feed.
2. Produce MEAT-TYPE hogs.
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4. Go to market 2 weeks earlier.

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Guaranteed breeders. We deliver. Phone 265F6. Farm 1½ miles northwest.

LUCIE HYBRID HOG FARM, Augusta, Illinois

LIKES HYBRID BOARS

Minnesota No. 1, No. 2, No. 3 Montana No. 1 Inbred and Incross

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REGISTERED
AMERICAN LANDRACE
Iowa State College foundation stock since 1948
FOR IMMEDIATE SALE

Weanling pigs, boars, gilts, also bred sows and gilts. SIRED BY: J. H. Landlord of Lady Gillebo and Spangboda breeding, imported in dam, also Iowa State College and USDA (Beltsville) blood lines.

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RICHARD HUMMEL, R. 1-A, Spencer, Ia.
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M. W. MARTIN & SON, Hancock, Ia.
WESTWIND FARM, Don & Ed Lee, Letts, Ia.
ALBERT & MARTIN CLARK, Kanawha, Ia.
DON ROTH, Latimer, Iowa
G. N. KNICKERBOCKER, Radcliffe, Ia.
DOWDEN & SON, Conrad, Iowa
Write to any of the above for FREE information.

AMERICAN LANDRACE

Purebred Boars, excellent breeding, type desired for crossbred litters that mature fast, MEAT-TYPE. Gilts and Sows bred for Jan., Feb. and March farrow. (Delivered.) Reasonable.

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POLAND CHINA Fall Boars. Herd boar prospects, with plenty of size and quality. Clean heads, good feet and legs. Priced right.

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YORKSHIRE BRED SOWS

Plenty of gilts, extreme size, quality. Bred to Straight English boar of great length. If you desire the best, we have them. Will farrow from Feb. to May. Farm 1½ mi. E. & ¼ mi. S. Phone Turner 2-3582.

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For FREE information about YORKSHIRES and list of Iowa Yorkshire Breeders. Write now.

JIM HENDERSON, Secy.-Treas. COIN, IOWA

SHEEP

TWELFTH ANNUAL MIDWEST
STUD RAM SHOW AND SALE
SEDALIA, MISSOURI
State Fair Grounds
SHOW: June 20, 1956— 1:00 A.M. C.S.T.
SALE: June 21, 1956—10:00 A.M. C.S.T.

133 HEAD—Columbia, Corriedale, Hampshire, Shropshire, Suffolk. Yearling Rams and Ewes, Ram and Ewe Lambs. For free catalog and information write to:

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National Corn Belt
STUD RAM SHOW AND SALE

Seven breeds of stud rams and ewes represented, June 18 - 19, Fairgrounds, Oskaloosa, Iowa. For information or catalog write

DEWEY M. JONTZ
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SUFFOLK RAM AND EWE SALE
June 4, Oskaloosa, Iowa

America's greatest crossing breed. More Rams used on range than all other mutton breeds combined, many times over.

IOWA SUFFOLK SHEEP ASSOCIATION

DOGS

NOTICE—Unsatisfactory dogs must be returned within time specified by advertiser. Buyer always pays express charges (both ways if dog is returned) unless advertiser states in advertisement that he will do so.

Genuine English Shepherds

and Natural Bob Tails. Guaranteed to bring home the cows, years trial. These are not Kennel dogs, they are raised here on the farm. Visitors welcome. $10.00.

WM. C. BOCKENSTADT EARLVILLE, IOWA

Genuine English Shepherd and Border Collie Pups. (Either sex—also spayed females $15.00.) Order direct from this ad. Give color. (Satisfaction guaranteed.) 65,000 satisfied customers. (45 years on same farm.) Stepsaver heeldriving farm dogs. No fooling. Training instructions, year trial, distemper vaccinated. Ruffs Kennels, Reinbeck, Iowa

— BEST YET —
ENGLISH SHEPHERD PUPS

Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.

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Purebred Border Collies English Shepherds — America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed. We breed and sell our own stock.

FAIRMOUNT FARMS CEDAR FALLS, IOWA

GENUINE ENGLISH SHEPHERD PUPS
DISTEMPER VACCINATED

Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.

HIGHVIEW KENNELS, CEDAR FALLS, IOWA

GENUINE
ENGLISH SHEPHERD PUPS

Guaranteed heelers, year's trial. Males, females, spayed females $15.00. Training instructions. Distemper vaccinated. Also Registered Collies.

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SHOMONT COLLIES

Workers — Companions — Guards. Shepherd puppies from working stock. Write for free lists.

SHOMONT FARMS AND KENNELS
MONTICELLO IOWA

English Shepherd — Bobtail Shepherds

Border or Scotch Collie choice pups raised from our A-1 Natural Heelers. Guaranteed. Training instructions. Some partly trained.

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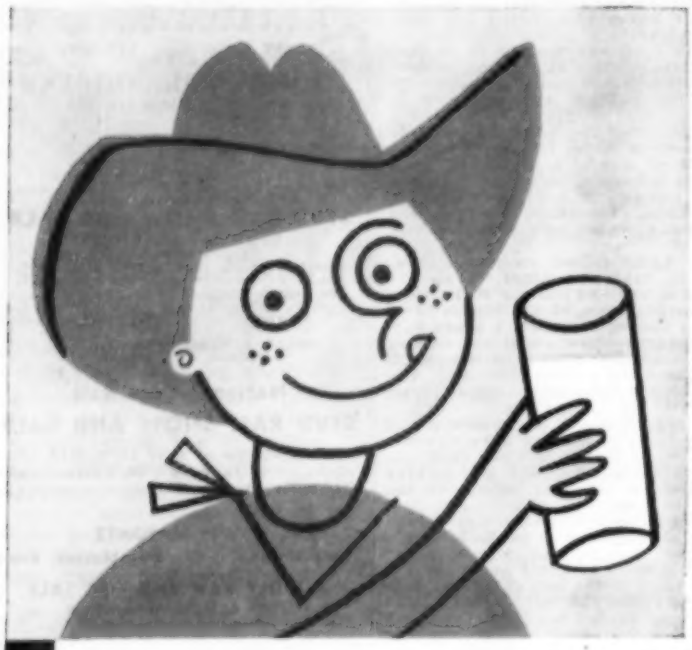
SLOW DOWN AND LIVE

THERE IS NO SUBSTITUTE FOR QUALITY



...if you want to make money from milk...

Healthy growing youngsters require many glasses of milk every day, so when Mother buys milk she wants the best quality at the lowest price . . . as she does with everything she buys. And it means more money for you when quality is high because consumers will buy more when dairy products look good and taste good.

Quality dairy products begin with clean milk. That's why more and more profit-minded producers use the Rapid-Flo Quality Program as an aid to quality milk production. Important steps in this program include prompt filtration and regular use of the Rapid-Flo Check-Up→

1. After filtering each can of milk (10 gallons or less), carefully remove the used filter disk from the strainer and place on a cardboard.

2. Examine the used filter when it is dry to determine the precautionary steps necessary to produce clean milk.

For safe filtration and a reliable Rapid-Flo Check-Up for mastitis and sediment, use genuine Rapid-Flo Fibre-Bonded Filter Disks—preferred by a majority of dairy farmers from Coast-to-Coast.

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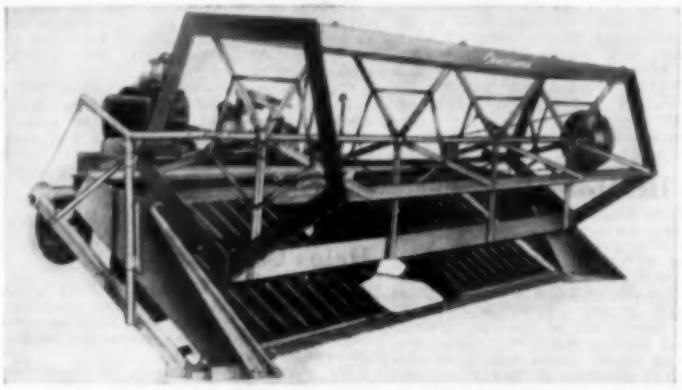
Johnson & Johnson, Chicago

FILTER PRODUCTS DIVISION

Johnson & Johnson

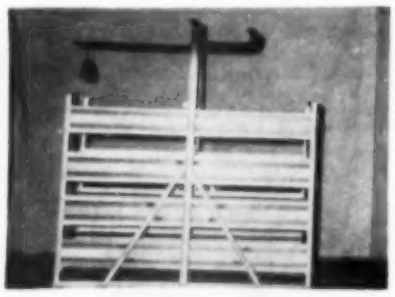
4949 West 65th Street Chicago 38, Illinois

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.



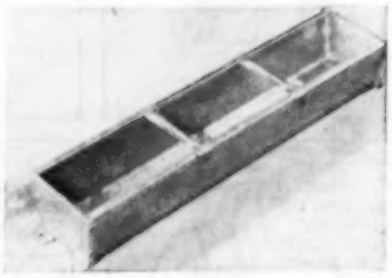
Windrower is center delivery and self-propelled. Individual planetery drive for each wheel allows operator to make sharp turns to get grain in corners and close to fencerows. Center delivery means no backswathing. Announced by Owatonna Manufacturing Co., Inc.

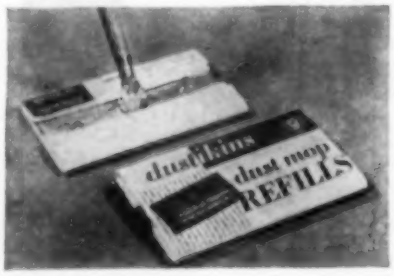
Insecticide applicator has adjustable height of 2½ to five feet. So corn remains upright while dry chemicals are dropped in corn whorls. Granules are metered as applied. Hi-Lo applicator is made by E. S. Gandrud Co., Inc.



Scale for hogs and calves is portable. Said to be easily handled by one man. This handy farm scale is made and sold by Associated Manufacturers.

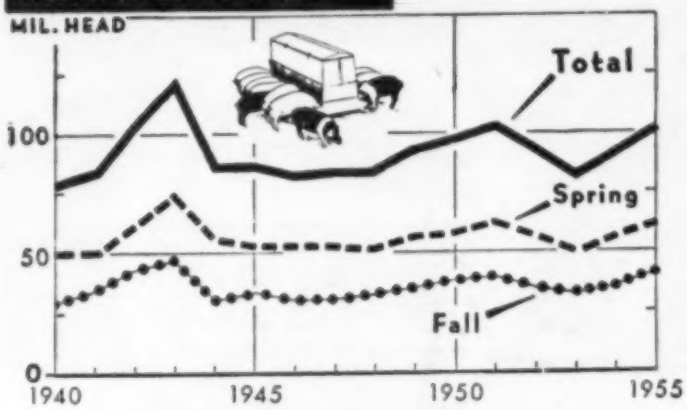
Pig trough has hangers, slotted for nails or screws. So the trough can be held against a wall or other upright surface. Designed and distributed by Moorman Manufacturing Company.





Dust mop of chemically treated soft paper sheets picks up and holds dirt. After use, simply tear off the soiled sheet. No shaking or washing. Disposable dust mop is made by Leisure Industries.

Pig Production Increases a Fourth in Last 2 Years



Pig totals for years indicated are shown by solid line. Fall and spring pig crops are indicated by broken lines. Note how much larger spring pig crops are compared to fall pig crops. And that all pig crops have gone up for two years. Pig Crop Report this month is expected to show moderate decrease for 1956.

What's Ahead...

YOUR PRICES for livestock in the months ahead are dependent on continued high business activity and big payrolls. For the supply of meat animals is sure to be large.

Homer Hush

Most economists say payrolls will be big, and consumer demand for food will be strong thru this year. They see lower employment in automobile and textile manufacturing. But capital expenditures are up over last year.

With business conditions steady, prices for hogs and fat cattle could average a little higher in the last half of this year than in the last half of last year. Supplies will be moderately lower. Here's what the prices were:

From July to December last year, Chicago light hog prices ranged from $17.75 down to $11.40. Choice fat cattle from $23 down to $21. Those were monthly averages. Farmers got about $1 less.

NO DECREASE in total cattle numbers for this year is indicated by present slaughter figures. Cow slaughter is running below a year before. Big slaughter increase is in steers. If cattle numbers go up again, it will be the eighth straight year of increases.

Big beef supplies appear likely for years ahead, unless ranges and pastures can't support the extra cattle thru periodic dry periods.

LAYING FLOCKS next January 1 may be only moderately larger than last January 1 unless poultrymen hold over large numbers of old hens again. Hatch for flock replacements was up in February and March, but the April report shows only one percent increase over a year before.

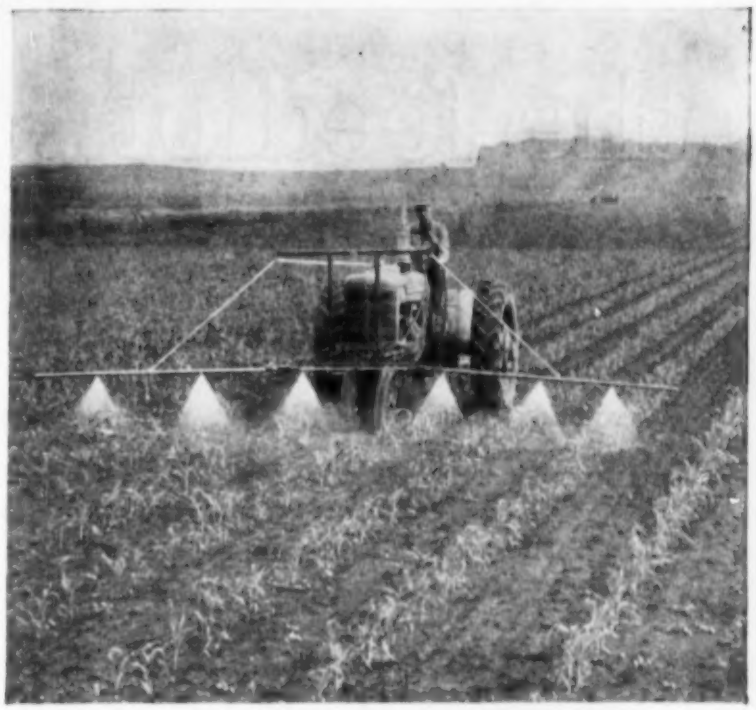
HAY CROP will be short in the western Corn Belt because of the dry spring. Iowa hay condition May 1 was reported at 62 compared to 94 a year before. Big holdover of hay in some areas will help. But better count on scarce and higher priced roughage this year.

WHAT MADE hog prices rise so rapidly in the middle of May? Receipts went down. Packers had killing forces higher than the hog supply and bid up rather than have employees idle. And fresh pork prices strengthened. In addition, farmers got busy planting corn and probably delayed marketing to some extent.

HOG MARKETINGS for June may be indicated by Iowa farmers' intentions as reported to the Iowa Crop and Livestock Reporting Service. Iowa farmers say they will sell over one million hogs this month. That's four percent more than June sales last year.

LOW-COST WAR

on weeds



with **Swift's GOLD BEAR BRAND WEED KILLERS**

You can stage a private war on one of the biggest yield stealers —weeds!

Swift's Gold Bear Brand Weed Killers are the modern, cost-cutting way to reduce cultivating time . . . to free your farm of the burden of weeds and brush.

And you can use Swift's Gold Bear chemicals with confidence. They meet all the high standards Swift & Company has maintained in more than one hundred years of serving agriculture.

for corn and grass pastures

On many farms, corn growing has been reduced to one spraying with Gold Bear weed killers and one cultivation. Weeds no longer need compete with corn for moisture and plant food.

Grass pasture and small grain, too, now can be weed-free. Wheat, oats, barley and rye make higher yields and there's less weed seed in harvested grain.

for fence row, ditch banks and brushy areas

Unsightly and troublesome brush can be a thing of the past on your farm. Gold Bear Brand brush sprays control woody plants effectively and economically. Save hours of labor compared to the old method of chopping and grubbing.

Ask your dealer for Gold Bear Brand weed and brush killer. Ask his advice on how and when to use it most effectively—

Swift 101st YEAR

To Serve Your Farm and Family Better

or write

SWIFT & COMPANY
PLANT FOOD DIVISION
Mason City, Iowa

time tested...in the feedlot...

SWEET LASSY®

Sweet Lassy feeders have proved beyond a doubt the results of Sweet Lassy during 50 years of producing outstanding feed for livestock. Here's why cattle feeders prefer Sweet Lassy:

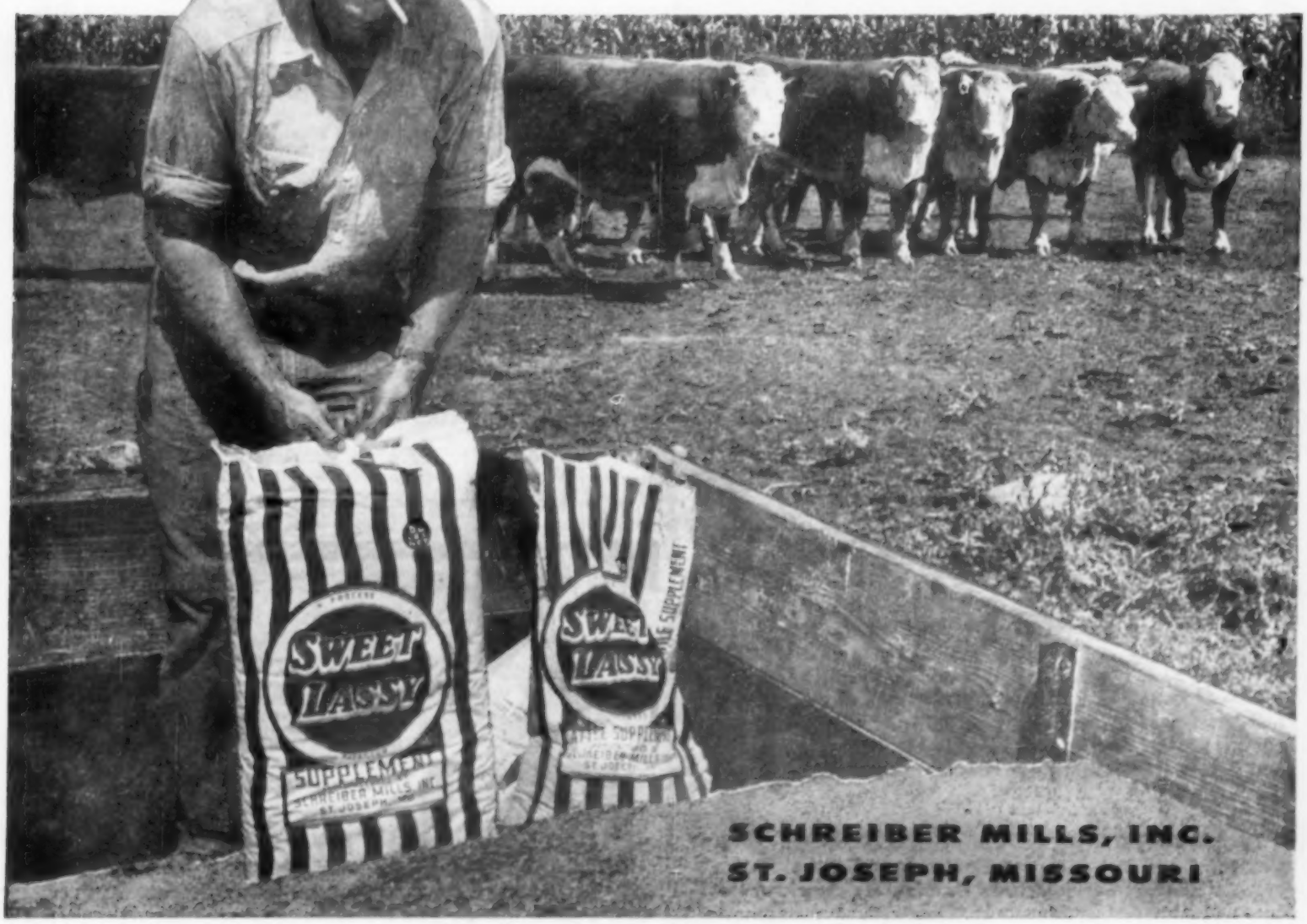
1. SWEET LASSY ***sharpens the appetite of your cattle!***
2. SWEET LASSY ***produces a market desired finish!***
3. SWEET LASSY ***increases rumen action!***
4. SWEET LASSY ***stretches your farm feeds so your cattle cost you less to feed!***
5. SWEET LASSY ***gives you faster gains . . . available with Stilbestrol, your cattle gain up to 37% faster than on ordinary ration.***

it all adds up to the GREATEST BEEF BUILDING POWER ever developed! So put your cattle on SWEET LASSY! See your dealer TODAY!

Available in range or bunk size pellets. Sweet Lassy is manufactured in 11%, 22%, 30% protein. Vitamin A can be added where it is needed.

Lawrence Frischmeyer
Route 1, Carroll, Iowa

"I figure we can replace 3½ lbs. of corn with 2 lbs. of Sweet Lassy. Sweet Lassy and corn are about 2½ cents a pound. We use Sweet Lassy for taste appeal and to fortify our home grown grains. We are in our 5th year of feeding Sweet Lassy."



SCHREIBER MILLS, INC.
ST. JOSEPH, MISSOURI